

CONSTRUCTION PLANS FOR ABRAHAM LINCOLN CAPITAL AIRPORT

SPRINGFIELD AIRPORT AUTHORITY SPRINGFIELD, IL

IL. PROJ. NO: SPI-4440
 AIP PROJ. NO: 3-17-0096-XX

REHABILITATE PERIMETER ACCESS ROADS - PHASE 1

June 22, 2016

811 Know what's below.
 Call before you dig. COMMON GROUND ALLIANCE
 www.call811.com or
 Phone: 811

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL 911 IN THE EVENT IN WHICH DAMAGE RESULTS IN THE RELEASE OF NATURAL GAS.

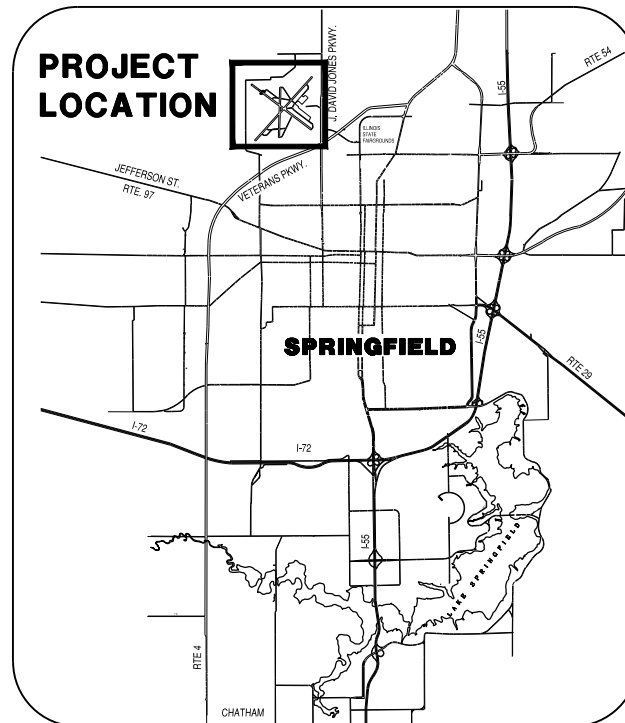
DESIGN INFORMATION

GEOMETRIC CRITERIA

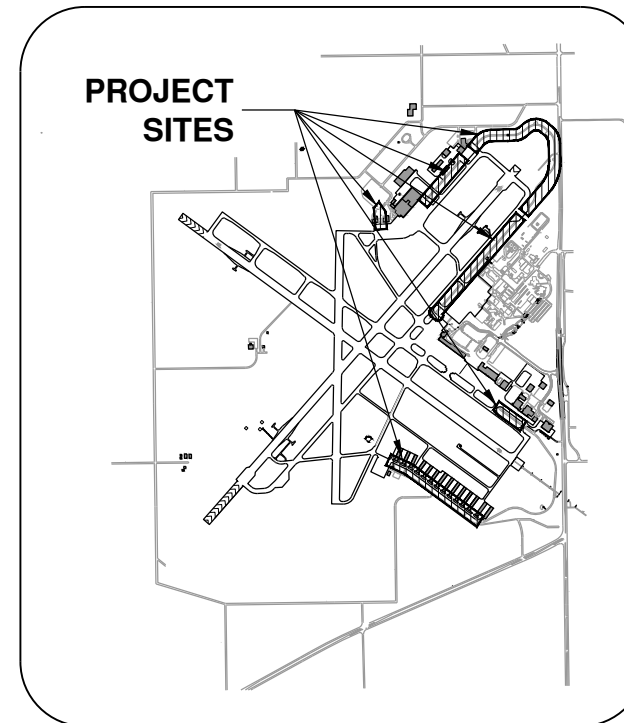
PERIMETER ROADWAYS
 LOW SPEED URBAN STREET
 35 MPH DESIGN SPEED

ABRAHAM LINCOLN CAPITAL AIRPORT

TOWNSHIP: 16 NORTH
 RANGE: 5 WEST OF THE 4TH P.M.
 SECTION: 8, 9, 16 & 17
 COUNTY: SANGAMON
 CIVIL TOWNSHIP: CAPITAL



LOCATION MAP




SITE PLAN


 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD AIRPORT AUTHORITY
 SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS
 APPROVED *Mark Starnes*
 EXECUTIVE DIRECTOR OF AVIATION
 DATE 6/20/2016

6/24/16

Randall L. Vogel
 EXP. 11/30/17


 ■ SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO
 SUBMITTED BY *Randall L. Vogel*
 DATE 6/24/16
 CMT JOB NUMBER: 14035-07-00

SUMMARY OF QUANTITIES

BASE BID - C-RAMP TAXILANE			
ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANT
AR150510	ENGINEER'S FIELD OFFICE	LS	1
AR152410	UNCLASSIFIED EXCAVATION	CY	3350
AR152480	SHOULDER ADJUSTMENT	SY	3685
AR152515	SUBGRADE UNDERCUT	CY	700
AR152540	SOIL STABILIZATION FABRIC	SY	2110
AR156510	SILT FENCE	LF	1600
AR209613	CRUSHED AGG. BASE COURSE - 13"	SY	8680
AR401610	BITUMINOUS SURFACE COURSE	TON	1000
AR401655	BUTT JOINT CONSTRUCTION	SY	1030
AR401665	BITUMINOUS PAVEMENT SAWING	LF	1375
AR401900	REMOVE BITUMINOUS PAVEMENT	SY	8400
AR403610	BITUMINOUS BASE COURSE	TON	2920
AR403630	BITUMINOUS BASE TEST SECTION	EA	1
AR602510	BITUMINOUS PRIME COAT	GAL	2600
AR603510	BITUMINOUS TACK COAT	GAL	2700
AR620520	PAVEMENT MARKING - WATERBORNE	SF	7725
AR620525	PAVEMENT MARKING - BLACK BORDER	SF	7750
AR901510	SEEDING	AC	0.75
AR908520	EXCELSIOR BLANKET	SY	3630
AR800250	2-1/C #8 5 KV UG CABLE IN UD	LF	100
AR125441	TAXI GUIDANCE SIGN, 1 CHARACTER	EA	1
AR125449	TAXI GUIDANCE SIGN, 9 CHARACTER	EA	1
AR125904	REMOVE TAXI GUIDANCE SIGN	EA	2

ADDITIVE ALTERNATE #1 - PUBLIC SAFETY ROAD			
ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANT
AS152410	UNCLASSIFIED EXCAVATION	CY	375
AS152480	SHOULDER ADJUSTMENT	SY	550
AS152515	SUBGRADE UNDERCUT	CY	96
AS152540	SOIL STABILIZATION FABRIC	SY	290
AS156520	INLET PROTECTION	EA	1
AS209604	CRUSHED AGG. BASE COURSE - 4"	SY	540
AS209606	CRUSHED AGG. BASE COURSE - 6"	SY	1180
AS501505	5" PCC PAVEMENT	SY	540
AS501511	11" PCC PAVEMENT	SY	1100
AS501530	PCC TEST BATCH	EA	1
AS501604	4" PCC SIDEWALK	SF	1250
AS501690	PCC SIDEWALK REMOVAL	SF	1115
AS501900	REMOVE PCC PAVEMENT	SY	1615
AS620520	PAVEMENT MARKING - WATERBORNE	SF	120
AS162570	DETECTOR LOOP	LS	1
AS901511	SEEDING - FORMULA 1	AC	0.15
AS908520	EXCELSIOR BLANKET	SY	550

ADDITIVE ALTERNATE #2 - TXY G PERIMETER ROAD			
ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANT
AT152410	UNCLASSIFIED EXCAVATION	CY	700
AT152480	SHOULDER ADJUSTMENT	SY	1625
AT152515	SUBGRADE UNDERCUT	CY	245
AT152540	SOIL STABILIZATION FABRIC	SY	725
AT156520	INLET PROTECTION	EA	2
AT209613	CRUSHED AGG. BASE COURSE - 13"	SY	2985
AT401610	BITUMINOUS SURFACE COURSE	TON	395
AT401655	BUTT JOINT CONSTRUCTION	SY	660
AT401665	BITUMINOUS PAVEMENT SAWING	LF	620
AT401900	REMOVE BITUMINOUS PAVEMENT	SY	2750
AT403610	BITUMINOUS BASE COURSE	TON	980
AT602510	BITUMINOUS PRIME COAT	GAL	895
AT603510	BITUMINOUS TACK COAT	GAL	1025
AT620520	PAVEMENT MARKING - WATERBORNE	SF	2120
AT620525	PAVEMENT MARKING - BLACK BORDER	SF	1120
AT901510	SEEDING	AC	0.35
AT908510	MULCHING	AC	0.35
AT910200	ROADWAY SIGN	EA	5
AT910915	REMOVE ROADWAY SIGN	EA	5

ADDITIVE ALTERNATE #3 - TXY B PERIMETER ROAD			
ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANT
AU152410	UNCLASSIFIED EXCAVATION	CY	600
AU152480	SHOULDER ADJUSTMENT	SY	1375
AU152515	SUBGRADE UNDERCUT	CY	150
AU152540	SOIL STABILIZATION FABRIC	SY	445
AU156520	INLET PROTECTION	EA	4
AU209613	CRUSHED AGG. BASE COURSE - 13"	SY	1825
AU401610	BITUMINOUS SURFACE COURSE	TON	190
AU401655	BUTT JOINT CONSTRUCTION	SY	68
AU401665	BITUMINOUS PAVEMENT SAWING	LF	110
AU401900	REMOVE BITUMINOUS PAVEMENT	SY	1700
AU403610	BITUMINOUS BASE COURSE	TON	590
AU602510	BITUMINOUS PRIME COAT	GAL	545
AU603510	BITUMINOUS TACK COAT	GAL	510
AU620520	PAVEMENT MARKING - WATERBORNE	SF	4120
AU620525	PAVEMENT MARKING - BLACK BORDER	SF	2675
AU901510	SEEDING	AC	0.3
AU908510	MULCHING	AC	0.3
AU910200	ROADWAY SIGN	EA	2
AU910915	REMOVE ROADWAY SIGN	EA	2
AU125904	REMOVE TAXI GUIDANCE SIGN	EA	2

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JUNE 22, 2016

REHABILITATE PERIMETER ACCESS ROADS - PHASE 1

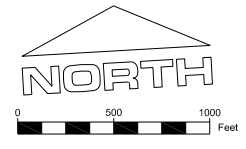
OWNER


**SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL**

MARK | DATE | DESCRIPTION

AIP PROJ. NO:	3-17-0096-XX
IL PROJ. NO:	SPI-4440
CMT PROJECT NO:	14035-07-00
CAD DWG FILE:	SP14440-1403507-GI002.DWG
DESIGNED BY:	JMW
DRAWN BY:	DPA
CHECKED BY:	RLV
APPROVED BY:	RLV
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INDEX TO SHEETS-SUMMARY OF QUANTITIES



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CONSULTANTS

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JUNE 22, 2016

REHABILITATE PERIMETER
ACCESS ROADS - PHASE 1

OWNER



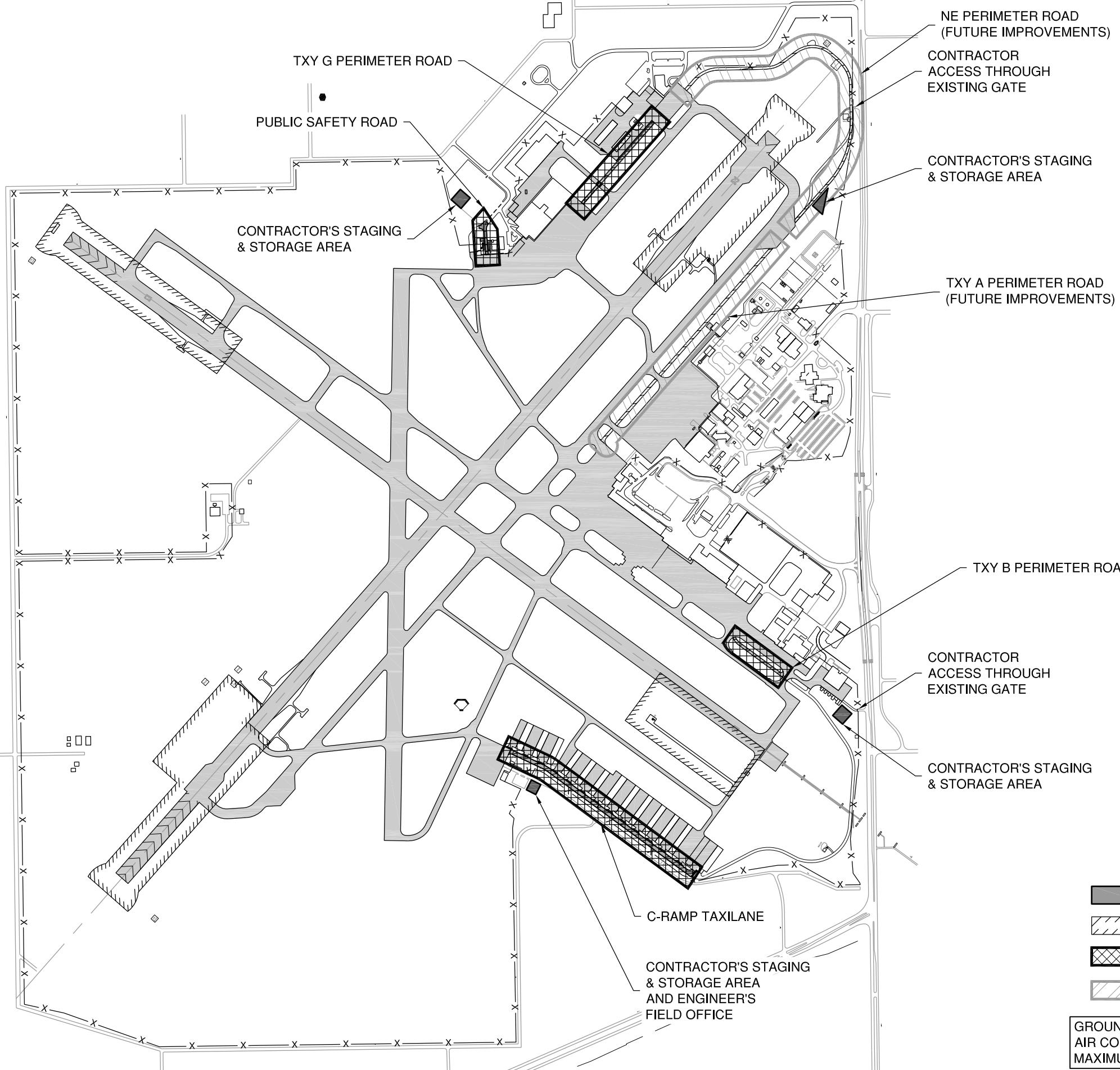
SPRINGFIELD AIRPORT
AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL

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SHEET TITLE
AIRPORT SITE PLAN

SHEET 3 OF 31



SITE LEGEND

- CONTRACTOR STAGING & STORAGE AREA
- NAVAID CRITICAL AREA
- PROPOSED IMPROVEMENT AREA
- FUTURE IMPROVEMENTS AREA

GROUND CONTROL FREQUENCY - 121.90
AIR CONTROL FREQUENCY - 121.30
MAXIMUM HEIGHT OF EQUIPMENT - 25'

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 Date: Thursday, June 30, 2016 2:58:24 PM

GENERAL

- 1. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL FOLLOW THE REQUIREMENTS OF THE AIRPORT'S APPROVED CONSTRUCTION SAFETY AND PHASING PLAN (CSPP), FAA AC 150/5370-2F, AND ALL AIRPORT SAFETY AND SECURITY REQUIREMENTS.
2. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE AIRPORT FOR APPROVAL A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) IN ACCORDANCE WITH FAA AC 150/5370-2F. NO CONSTRUCTION ACTIVITY SHALL BEGIN UNTIL THE AIRPORT HAS APPROVED THE SPCD.
3. THE CSPP COVERS OPERATIONAL SAFETY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INDIVIDUAL SAFETY OF HIS/HER PERSONNEL AND MEETING OSHA REQUIREMENTS.
4. A MINIMUM OF 10 DAYS PRIOR TO THE NOTICE TO PROCEED THE CONTRACTOR SHALL PROVIDE A LIST OF SUBCONTRACTORS AND MATERIAL SUPPLIERS.
5. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL SIGN THE SWPPP CERTIFICATION STATEMENT.
6. ALL CONTRACTOR COSTS ASSOCIATED WITH THE REQUIREMENTS LISTED ON THIS SHEET SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNLESS A SPECIFIC PAY ITEM IS PROVIDED.

1. COORDINATION

- 1. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE WITH THE AIRPORT, ENGINEER, AND ILLINOIS DIVISION OF AERONAUTICS (IDA). THE COST OF PREPARING FOR AND ATTENDING THE PRECONSTRUCTION CONFERENCE SHALL BE INCIDENTAL TO THE CONTRACT.
2. ON OR BEFORE THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT A PROPOSED SCHEDULE FOR THE PROJECT. THE SCHEDULE SHALL INCLUDE A START AND COMPLETION DATE FOR EACH ITEM OF WORK. THE SCHEDULE SHALL BE UPDATED ON A WEEKLY BASIS. ALL COSTS ASSOCIATED WITH THE SCHEDULE SHALL BE INCIDENTAL TO THE CONTRACT.
3. DURING CONSTRUCTION THE CONTRACTOR SHALL ATTEND A WEEKLY COORDINATION MEETING WITH THE AIRPORT STAFF AND RESIDENT ENGINEER. ALL COSTS ASSOCIATED WITH ATTENDING THE WEEKLY MEETING SHALL BE INCIDENTAL TO THE CONTRACT.

2. PHASING

- 1. PHASING SHALL BE AS NOTED BELOW AND AS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN (CAP) SHEET.

3. AREAS AND OPERATIONS AFFECTED BY THE CONSTRUCTION ACTIVITY

- 1. ALL RUNWAYS, TAXIWAYS AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED ON THE PHASING PLAN.
2. WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL AUTHORITY IN THE APPROVAL OF CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT.
3. ALL CONSTRUCTION TRAFFIC SHALL IMMEDIATELY YIELD TO ONCOMING AIRCRAFT AT ALL TIMES.

4. PROTECTION OF NAVIGATION AIDS (NAVAIDS)

- 1. THE CONTRACTOR SHALL REMAIN CLEAR OF THE ILS CRITICAL AREAS AND OTHER NAVAIDS FACILITIES AT ALL TIMES.

5. CONTRACTOR ACCESS

- 1. CONTRACTOR ACCESS SHALL BE AS NOTED BELOW AND AS SHOWN ON THE SITE PLAN AND CONSTRUCTION ACTIVITY PLAN SHEETS. ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR IS TO ACCESS THE SITE USING THE GATES SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE ACCESS GATE(S) CLOSED DURING WORK HOURS OR THE CONTRACTOR SHALL POST A COMPETENT SECURITY GUARD TO CONTROL ACCESS AT THE GATE. THE CONTRACTOR SHALL REPLACE ANY UNSATISFACTORY SECURITY GUARDS AS DIRECTED.
3. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND TEMPORARY EASEMENTS FOR THE PUBLIC ACCESS ROAD(S) SHOWN AND SHALL COMPLY WITH ALL REQUIREMENTS, LOAD RESTRICTIONS, & TRAFFIC CONTROL SIGNAGE REQUIRED BY THE CITY, COUNTY, TOWNSHIP, OR I.D.O.T.
4. CONTRACTOR EMPLOYEES MAY BE REQUIRED TO OBTAIN AN AIRPORT IDENTIFICATION BADGE. THIS CONSISTS OF FILLING OUT ALL NECESSARY PAPERWORK, FINGERPRINTING, ATTENDING AND PASSING A TRAINING CLASS CONCERNING SAFETY AND SECURITY AT THE AIRPORT. CONTRACTOR EMPLOYEES MUST MEET BACKGROUND CHECK CRITERIA AND THE CONTRACTOR MUST MAKE CERTIFICATION ABOUT EACH EMPLOYEE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINGERPRINTING COSTS.
5. ALL CONTRACTOR EMPLOYEES WHO ARE DESIGNATED AS DRIVERS FOR THE CONTRACTOR WITHIN THE AIRFIELD OPERATIONS AREA (AOA) SHALL ALSO ATTEND AND PASS THE AIRPORT DRIVERS TRAINING PROGRAM. ONLY THOSE INDIVIDUALS WHO RECEIVE THIS DESIGNATION WILL BE PERMITTED TO OPERATE VEHICLES OR EQUIPMENT ON THE AIRPORT. ALL COSTS ASSOCIATED WITH THE DRIVER TRAINING PROGRAM SHALL BE BORNE BY THE CONTRACTOR.
6. CONTRACTOR'S VEHICLES AND EQUIPMENT SHALL BE MARKED AND FLAGGED PER SECTION 70-10 OF THE STANDARD SPECIFICATIONS. MAXIMUM HEIGHT OF CONTRACTOR'S EQUIPMENT WILL BE 25'.
7. DRIVERS OF TRUCKS CONTAINING MATERIAL DELIVERIES (AGGREGATE, CONCRETE, ETC.) WILL NOT NEED TO OBTAIN AN AIRPORT ID BADGE BUT SHALL BE REQUIRED TO SUBMIT THEIR NAME, DRIVER'S LICENSE NUMBER, TRUCK LICENSE PLATE NUMBER AND NAME OF TRUCKING COMPANY TO THE PRIME CONTRACTOR PRIOR TO ENTERING THE JOBSITE. WHILE INSIDE THE AOA, THE TRUCK DRIVERS SHALL BE SUPERVISED BY THE CONTRACTOR.
8. CONTRACTOR WORK CREWS MUST MAINTAIN RADIO CONTACT WITH THE AIR TRAFFIC CONTROL TOWER (ATCT) AT ALL TIMES WHEN ON THE MOVEMENT AREA. THE CONTRACTOR SHALL SUPPLY ALL APPROPRIATE RADIOS NEEDED FOR COMMUNICATIONS AND ONLY HIS PERSONNEL WHO HAVE SUCCESSFULLY PASSED THE APPROVED SAA TESTS MAY OPERATE THESE RADIOS.
9. THE CONTRACTORS STORAGE AND STAGING AREA WILL BE AS SHOWN IN THE PLANS.
10. THE CONTRACTOR SHALL KEEP A RECORD OF THE NAMES OF ALL EMPLOYEES ENTERING THE JOB SITE ON A DAILY BASIS. A RECORD OF EACH SUBCONTRACTOR ENTERING THE JOB SITE SHALL ALSO BE KEPT BY THE CONTRACTOR.
11. WHEN THE CONTRACTOR IS NOT WORKING, EQUIPMENT SHALL BE STORED AT THE STAGING AREA.
12. DURING ADVERSE WEATHER THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE WORK AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF THE CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO THE WORK SITE.
13. THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS ONLY AT THE LOCATIONS SHOWN. PARKED EQUIPMENT AND MATERIAL STOCKPILES SHALL NOT PENETRATE SURFACES DEFINED BY F.A.R. TITLE 14 PART 77 - OBJECTS AFFECTING NAVIGABLE AIRSPACE. EXISTING TURF AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE ENGINEER AND THE AIRPORT.
14. ALL CONSTRUCTION TRAFFIC OPERATING ON, OR CROSSING RUNWAYS, TAXIWAYS AND APRONS OPEN TO AIRCRAFT TRAFFIC SHALL BE UNDER CONTROL BY A FLAGMAN OR ESCORT IN RADIO CONTACT WITH THE ATCT. THE CONTRACTOR SHALL PROVIDE HIS OWN FLAGMEN.
15. THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL CONSTRUCTION AREAS AND HAUL ROUTES WHICH WILL BE OPENED TO AIR TRAFFIC TO THE SATISFACTION OF THE AIRPORT. A POWER BROOM AND OPERATOR SHALL BE ON SITE AT ALL TIMES WHEN ACTIVE PAVEMENTS ARE UTILIZED FOR CONSTRUCTION TRAFFIC.

5. CONTRACTOR ACCESS (CONTINUED)

- 16. ALL PAVEMENTS, DRIVES OR ANY OTHER AREAS UTILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED TO THE SAME CONDITION OR BETTER THAN THEY WERE PRIOR TO BEGINNING CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR THIS WORK.
17. ALL VEHICLE AND EQUIPMENT OPERATORS USED BY THE CONTRACTOR SHALL BE PROPERLY TRAINED BY THE CONTRACTOR.
18. THE CONTRACTOR SHALL NOTIFY THE AIRCRAFT RESCUE AND FIRE FIGHTING (ARFF) FACILITY IF CONSTRUCTION ACTIVITY MAY REQUIRE THE BLOCKAGE OF EMERGENCY ACCESS TO THE AIRPORT.

6. WILDLIFE MANAGEMENT

- 1. THE CONTRACTOR SHALL NOTIFY THE AIRPORT IF ANY WILDLIFE IS SEEN ENTERING THE AIRPORT.
2. CONTRACTOR ACCESS GATES SHALL REMAIN CLOSED WHEN THE CONTRACTOR IS NOT WORKING.
3. THE CONTRACTOR SHALL DISPOSE OF ALL TRASH INCLUDING FOOD SCRAPS IN APPROVED CONTRACTOR PROVIDED CONTAINERS.

7. NOTIFICATION OF CONSTRUCTION ACTIVITIES

- 1. THE CONTRACTOR SHALL PROVIDE A 24 HOUR EMERGENCY CONTACT PERSON AND PHONE NUMBER.
2. THE CONTRACTOR SHALL GIVE A MINIMUM OF 72 HOURS NOTICE TO AIRPORT OPERATIONS PRIOR TO CLOSING ANY PAVEMENTS SO THAT PROPER NOTAMS MAY BE ISSUED BY THE AIRPORT.
3. FOR ANY EQUIPMENT USED BY THE CONTRACTOR WITH A HEIGHT GREATER THAN 25', THE CONTRACTOR SHALL PROVIDE TO THE AIRPORT THE TYPE OF EQUIPMENT, TOTAL HEIGHT, AND LOCATION WHERE THE EQUIPMENT WILL BE USED. THE AIRPORT WILL SUBMIT FAA FORM 7460-1 TO THE FAA FOR AN AIRSPACE STUDY. NO EQUIPMENT WITH A HEIGHT GREATER THAN 25' SHALL BE USED UNTIL A DETERMINATION FROM FAA IS RECEIVED.
4. IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR SHALL CALL 911.
5. THE CONTRACTOR SHALL NOTIFY THE AIRPORT 7 DAYS BEFORE STARTING WORK IN EACH PHASE. THIS WILL ENSURE THAT THE AIRPORT CAN CONTACT TENANTS ABOUT MOVING AIRCRAFT DURING THE TIME OF CONSTRUCTION.

8. INSPECTION REQUIREMENTS

- 1. THE CONTRACTOR SHALL INSPECT THE JOBSITE DAILY TO ENSURE COMPLIANCE WITH THE CSPP. THE CHECKLIST FOUND IN APPENDIX 3 OF FAA AC 150/5370-2F MAY BE USED TO AID IN THE INSPECTIONS.
2. THE CONTRACTOR SHALL REQUEST AND ATTEND AN INSPECTION OF EACH PHASE WORK AREA PRIOR THE AREA BEING REOPENED. THE AIRPORT WILL DETERMINE IF THE WORK AREA IS ALLOWED TO BE OPENED.

9. UNDERGROUND UTILITIES

- 1. IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATION TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AT CRITICAL POINTS. THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY IN RESPECT TO THE ACCURACY, COMPLETENESS OR SUFFICIENCY OF THE INFORMATION. ANY UTILITY, INCLUDING AIRFIELD ELECTRICAL CABLE AND LIGHTS, DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY HIM AT HIS OWN EXPENSE IN A MANNER WHICH IS SATISFACTORY TO THE ENGINEER AND TO THE OWNER OF THE UTILITY. ANY REPAIRS THAT MUST BE MADE BY THE OWNER OF THE UTILITY SHALL HAVE THE COST REIMBURSED TO THE UTILITY BY THE CONTRACTOR. AIRFIELD LIGHTING CABLES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY A QUALIFIED ELECTRICIAN WITH THE COSTS TO BE BORNE BY THE CONTRACTOR.
2. BEFORE INITIATING ANY DIGGING, DRILLING OR EXCAVATING ON THE AIRPORT PROPERTY, THE CONTRACTOR SHALL CALL J.U.L.I.E. THE AIRPORT, AND CONTACT THE LOCAL FAA OFFICE TO ARRANGE FOR UTILITY LOCATES.

10. PENALTIES

- 1. NONCOMPLIANCE BY THE CONTRACTOR WITH AIRPORT RULES AND REGULATIONS OR FAILURE TO COMPLY WITH THE AIRPORT'S APPROVED CSPP, THE CONTRACTOR'S APPROVED SPCD OR THE SECURITY PLAN MAY RESULT IN FINES AS ALLOWED BY LAW.

11. SPECIAL CONDITIONS

- 1. ADJACENT CONSTRUCTION MAY IMPACT THE OPERATIONS OF THE CONTRACTOR. SEE THE COORDINATION NOTES FOR ADDITIONAL INFORMATION.

12. RUNWAY AND TAXIWAY VISUAL AIDS

- 1. ALL RUNWAYS, TAXIWAYS, AND APRONS SHALL BE KEPT OPEN TO AIRPORT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED IN THE CONSTRUCTION ACTIVITY PLAN.
2. IF ANY RUNWAY OR TAXIWAY CLOSURES ARE REQUESTED BY THE CONTRACTOR AND APPROVED BY THE AIRPORT, THE CONTRACTOR SHALL USE MARKING, LIGHTING AND SIGNS THAT FOLLOWING THE REQUIREMENTS OF FAA AC 150/5370-2F.

13. MARKING AND SIGNS FOR ACCESS ROUTES

- 1. BARRICADES AND SIGNS SHALL BE USED ALONG THE CONTRACTOR'S ACCESS ROUTE AS DETAILED IN THE PLANS.

14. HAZARD MARKING AND LIGHTING

- 1. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN MARKINGS AND ASSOCIATED LIGHTING OF OPEN TRENCHES, EXCAVATIONS, TEMPORARY STOCKPILES, AND HIS/HER CONSTRUCTION EQUIPMENT.
2. ALL CONSTRUCTION EQUIPMENT SHALL BE FLAGGED AND/OR LIGHTED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2F AND 150/5210-5C AT ALL TIMES WHILE OPERATING ON AIRPORT PROPERTY. THE MAXIMUM EQUIPMENT HEIGHT IS 25'.
3. BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN SHEET OR AS DIRECTED BY THE AIRPORT.
4. THE CONTRACTOR SHALL INSPECT THE BARRICADES ONCE DURING EACH WORK DAY TO INSURE PROPER PLACEMENT AND PROPER OPERATION OF THE RED LIGHTS AND FLAG PLACEMENT.

15. PROTECTION

- 1. ALL WORK REQUIRED INSIDE OF THE RUNWAY 4-22, 13-31 OR 18/36 SAFETY AREAS, WHICH EXTENDS 250' FROM THE RUNWAY CENTERLINE, WILL REQUIRE THE RUNWAY TO BE CLOSED. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT A MINIMUM OF 72 HOURS PRIOR TO THE REQUESTED CLOSURE TIME.
2. ALL WORK REQUIRED ON AN ACTIVE TAXIWAY OR INSIDE OF AN ACTIVE TAXIWAY OBJECT FREE AREA, WHICH EXTENDS 93' FROM THE TAXIWAY CENTERLINE, WILL REQUIRE THE TAXIWAY TO BE CLOSED. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT A MINIMUM OF 72 HOURS PRIOR TO THE REQUESTED CLOSURE TIME.
3. ALL WORK REQUIRED ON AN ACTIVE APRON OR INSIDE OF AN ACTIVE SAFETY AREA, WHICH EXTENDS 70' FROM THE APRON'S EDGE OF PAVEMENT, WILL REQUIRE A PORTION OF THAT APRON TO BE CLOSED. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT A MINIMUM OF 72 HOURS PRIOR TO THE REQUESTED CLOSURE TIME.

16. OTHER LIMITATIONS ON CONSTRUCTION

- 1. IF, DURING CONSTRUCTION, AN EMERGENCY IS DECLARED BY THE AIRPORT, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE PAVEMENT OF ALL VEHICLES, PERSONNEL AND EQUIPMENT.
2. BROKEN CONCRETE, BROKEN ASPHALT, RUBBISH FROM DEMO, AND OTHER MISCELLANEOUS DEBRIS SHALL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS OTHERWISE SPECIFIED.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE AIRSPACE FOR THE CONSTRUCTION EQUIPMENT THAT IS TALLER THAN THAT SPECIFIED ON THE PLANS WITH THE FAA. THIS PROCESS MAY TAKE UP TO 12 WEEKS TO COMPLETE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEGGAR TESTING ALL EXISTING CIRCUITS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION AS SPECIFIED IN THE CONTRACT DOCUMENTS.

17. FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT

- 1. THE CONTRACTOR SHALL PICK UP ANY FOREIGN OBJECT DEBRIS (FOD) SEEN ON THE AIRFIELD PAVEMENTS.
2. THE CONTRACTOR SHALL SECURE ALL LOOSE ITEMS FROM VEHICLES PRIOR TO DRIVING ON AIRFIELD PAVEMENTS.

18. HAZARDOUS MATERIALS (HAZMAT) MANAGEMENT

- 1. THE CONTRACTOR SHALL DEVELOP A HAZMAT MANAGEMENT PLAN AND KEEP COPIES ON THE JOBSITE OF MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL MATERIALS HANDLED ON THE JOBSITE.



License No. 184-000613

CONSULTANTS

CA018

JUNE 22, 2016

REHABILITATE PERIMETER ACCESS ROADS - PHASE 1

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK | DATE | DESCRIPTION

Table with project details: AIP PROJ. NO: 3-17-0096-XX, IL PROJ. NO: SPI-4440, CMT PROJECT NO: 14035-07-00, CAD DWG FILE: SPM4440-1403507-GC001.DWG, DESIGNED BY: JMW, DRAWN BY: DPA, CHECKED BY: RLV, APPROVED BY: RLV, COPYRIGHT: CRAWFORD, MURPHY & TILLY, INC. 2015

SHEET TITLE
CONSTRUCTION ACTIVITY PLAN NOTES 1

JUNE 22, 2016

REHABILITATE PERIMETER ACCESS ROADS - PHASE 1

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX

IL PROJ. NO: SPI-4440

CMT PROJECT NO: 14035-07-00

CAD DWG FILE: SPI4440-1403507-GC002.DWG

DESIGNED BY: JMW

DRAWN BY: DPA

CHECKED BY: RLV

APPROVED BY: RLV

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SHEET TITLE

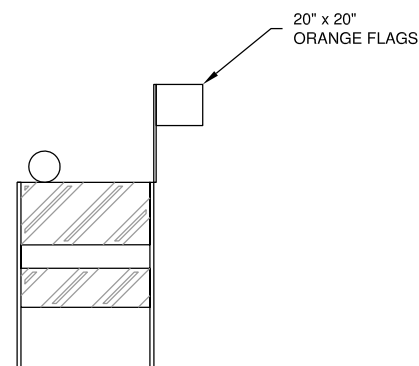
CONSTRUCTION ACTIVITY PLAN NOTES 2

SECURITY NOTES

1. MAINTAINING THE SECURITY REQUIREMENTS OF THE AIRPORT SHALL BE A PRIMARY CONCERN FOR THE CONTRACTOR.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING AIRPORT SECURITY BY SUPERVISING OPENINGS OR MAINTAINING THE AIRPORT PERIMETER FENCE LINE AT ALL TIMES DURING THE COURSE OF THE WORK.
3. FINES CAN BE LEVIED AGAINST THE CONTRACTOR BY THE TRANSPORTATION SECURITY ADMINISTRATION (TSA) FOR NEGLIGENCE IF THE AIRPORT SECURITY IS COMPROMISED AND THE AIRPORT PERIMETER FENCE LINE IS NOT MAINTAINED AS SPECIFIED ABOVE. FINES CAN ALSO BE LEVIED AGAINST THE CONTRACTOR FOR FAILURE TO COOPERATE WITH THE AIRPORT MANAGEMENT AS REQUIRED TO MAINTAIN AIRPORT SECURITY.
4. THE CONTRACTOR SHALL COMPLETE A SECURITY FORM FOR ALL PERSONNEL HE PROPOSES TO USE ON THE AIRPORT. THESE FORMS SHALL BE COMPLETED PRIOR TO THAT PERSON BEING ALLOWED ON THE AIRFIELD. A LIST OF PERSONNEL AUTHORIZED TO WORK ON THE AIRFIELD SHALL BE PROVIDED TO THE RESIDENT ENGINEER BY THE CONTRACTOR.
5. THE CONTRACTOR SHALL USE AN EXISTING GATE(S) FOR ACCESS TO THE AIRFIELD. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A HEAVY-DUTY PADLOCK ON THE ACCESS GATE. HE SHALL PROVIDE KEYS FOR HIS PADLOCK TO THE RESIDENT ENGINEER, THE MAINTENANCE SUPERVISOR, AND THE SECURITY CHIEF. NO ADDITIONAL KEYS ARE TO BE DISTRIBUTED UNLESS AUTHORIZED BY THE RESIDENT ENGINEER.

CONSTRUCTION ACTIVITY GENERAL NOTES

1. CONSTRUCTION PHASING IS OF CRITICAL IMPORTANCE TO THE AIRPORT FOR THIS PROJECT.
2. THE CONTRACTOR SHALL PLAN AND CONDUCT HIS WORK SO AS TO NOT INTERFERE OR HINDER THE PROGRESS OR WORK BEING PERFORMED BY OTHER CONTRACTORS.
3. THE TIMELY PROSECUTION OF THE OVERALL PROJECT IS DEPENDENT UPON THE PROPER COORDINATION BETWEEN CONTRACTORS.
4. IT SHALL BE FULLY UNDERSTOOD BY THE CONTRACTOR THAT THE PROSECUTION OF THE OVERALL PROJECT ARE THE GOVERNING CRITERIA FOR RESOLVING CONFLICTS WHICH MAY ARISE BETWEEN HIS SCHEDULE AND THE SCHEDULE OF OTHER CONTRACTORS.
5. WHEN CONFLICTS ARISE, RESOLUTION OF SUCH CONFLICTS WILL BE MADE BY THE AIRPORT THROUGH THE RESIDENT ENGINEER IN THE BEST INTEREST OF THE AIRPORT.
6. DELAYS, CHANGES IN SCHEDULING, OR THE EXPEDITION OF WORK UNDER THIS CONTRACT TO PROVIDE FOR THE TIMELY PROSECUTION OF THE PROJECT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. CONTRACTOR'S STAGING, STORAGE, AND PARKING WILL BE AS SHOWN ON THE CONSTRUCTION ACTIVITY PLANS.
8. THE CONTRACTOR SHALL PLACE ALL BARRICADES AND EROSION CONTROL ITEMS AS SHOWN IN THE PLANS PRIOR TO INITIATING WORK IN EACH PHASE. ALL COSTS TO FURNISH, INSTALL, AND MAINTAIN THESE ITEMS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
9. CONSTRUCTED RELATED ITEMS REQUIRING THE CLOSURE OF TAXIWAYS SHALL REQUIRE CLOSE COORDINATION WITH THE AIRPORT. NO EXTENSION TO CONTRACT TIME WILL BE GIVEN FOR DELAYS CAUSED BY LACK OF ADEQUATE COORDINATION. THE AIRPORT SHALL REQUIRE 7 DAYS NOTIFICATIONS PRIOR TO THE CLOSURE OF TAXIWAYS.
10. CONSTRUCTION BARRICADES SHALL BE SET AT THE LIMITS OF THE WORK AREA OF EACH PHASE. DURING PAVING OPERATIONS, BARRICADES MAY BE PLACED UP TO 30' BEYOND THE WORK LIMIT TO ALLOW ROOM FOR PAVING OPERATIONS. OFFSETTING THE BARRICADES TO THIS LOCATION SHALL BE COORDINATED WITH THE AIRPORT IN ADVANCE. IN THE EVENT OF A CONFLICT BETWEEN CONSTRUCTION OPERATIONS AND TAXIING AIRCRAFT, THE CONTRACTOR SHALL CEASE OPERATIONS AND RETURN THE BARRICADES TO THE EDGE OF THE WORKING LIMITS. ALL BARRICADES SHALL BE LOCATED AT THE EDGE OF THE WORKING LIMITS AT THE END OF EACH WORKING DAY.

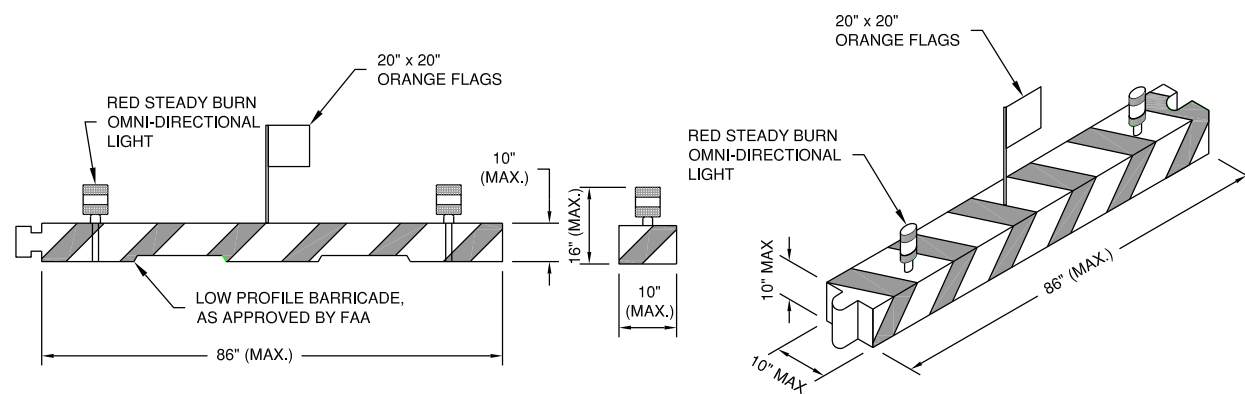


FLASHER BARRICADE DETAIL-IDOT TYPE 1

N.T.S.

FLASHER BARRICADE NOTES

1. FLASHERS TO BE BATTERY OPERATED. LENS TO BE RED AND BE ABLE TO ROTATE 90 DEGREES.
2. SANDBAGS TO BE PLACED ON EACH SUPPORT BRACE AS REQUIRED TO PREVENT DISPLACEMENT BY WIND, JET OR PROP BLAST.
3. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
4. PLACE AT 10' INTERVALS.

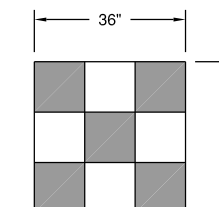


BEAM BARRICADE DETAIL

N.T.S.

BEAM BARRICADE NOTES

1. BARRICADE SHALL BE WEIGHTED TO WITHSTAND DISPLACEMENT BY WIND, JET OR PROP BLAST.
2. BARRICADE MUST BE OF LOW MASS AND EASILY COLLAPSIBLE UPON CONTACT WITH AN AIRCRAFT.
3. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
4. PLACE AS SHOWN IN PLANS AND AS DIRECTED BY THE ENGINEER.
5. THERE SHALL BE NO GAP BETWEEN BEAM BARRICADES.



CONSTRUCTION EQUIPMENT AND TRUCK SIGNAL FLAG

N.T.S.



License No. 184-000613

CONSULTANTS

CA018

JUNE 22, 2016

REHABILITATE PERIMETER
ACCESS ROADS - PHASE 1

OWNER



SPRINGFIELD AIRPORT
AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO:	3-17-0096-XX
IL PROJ. NO:	SP1-4440
CMT PROJECT NO:	14035-07-00
CAD DWG FILE:	SP14440-1403507-GC100.DWG
DESIGNED BY:	JMW
DRAWN BY:	DPA
CHECKED BY:	RLV
APPROVED BY:	RLV
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SHEET TITLE
**CONSTRUCTION
PHASING OVERVIEW**

SHEET 6 OF 31

PHASING LIST

1. C-RAMP TAXILANE-BASE BID
2. PUBLIC SAFETY ROAD- ADD.ALT. #1
3. TXY G PERIMETER ROAD-ADD. ALT. #2
4. TXY B PERIMETER ROAD-ADD. ALT. #3
5. TXY A PERIMETER ROAD (FUTURE IMPROVEMENTS)
6. NE PERIMETER ROAD (FUTURE IMPROVEMENTS)

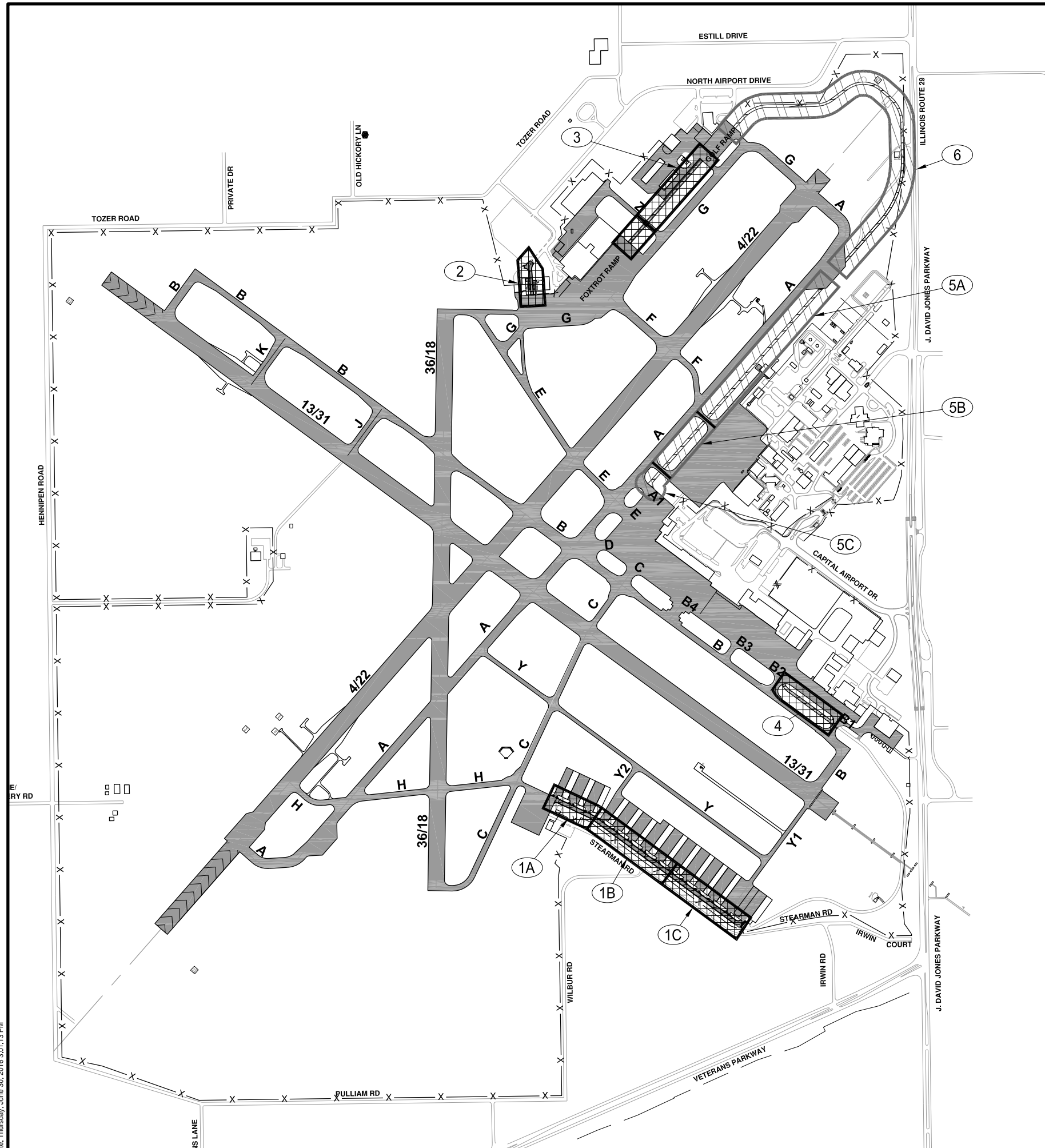
PHASING NOTES

1. IF AWARDED, THE BASE BID & ADDITIVE ALTERNATE #1 WORK SHALL BE CONCURRENT.
2. IF AWARDED, ADDITIVE ALTERNATES #2 AND #3 SHALL BE CONCURRENT.

SITE LEGEND

- (X) [Cross-hatched box] PROPOSED IMPROVEMENT AREA PHASING
- (X) [Diagonal hatched box] FUTURE IMPROVEMENT AREA PHASING

GROUND CONTROL FREQUENCY - 121.90
AIR CONTROL FREQUENCY - 121.30
MAXIMUM HEIGHT OF EQUIPMENT - 25'



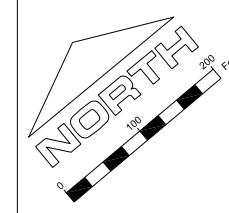
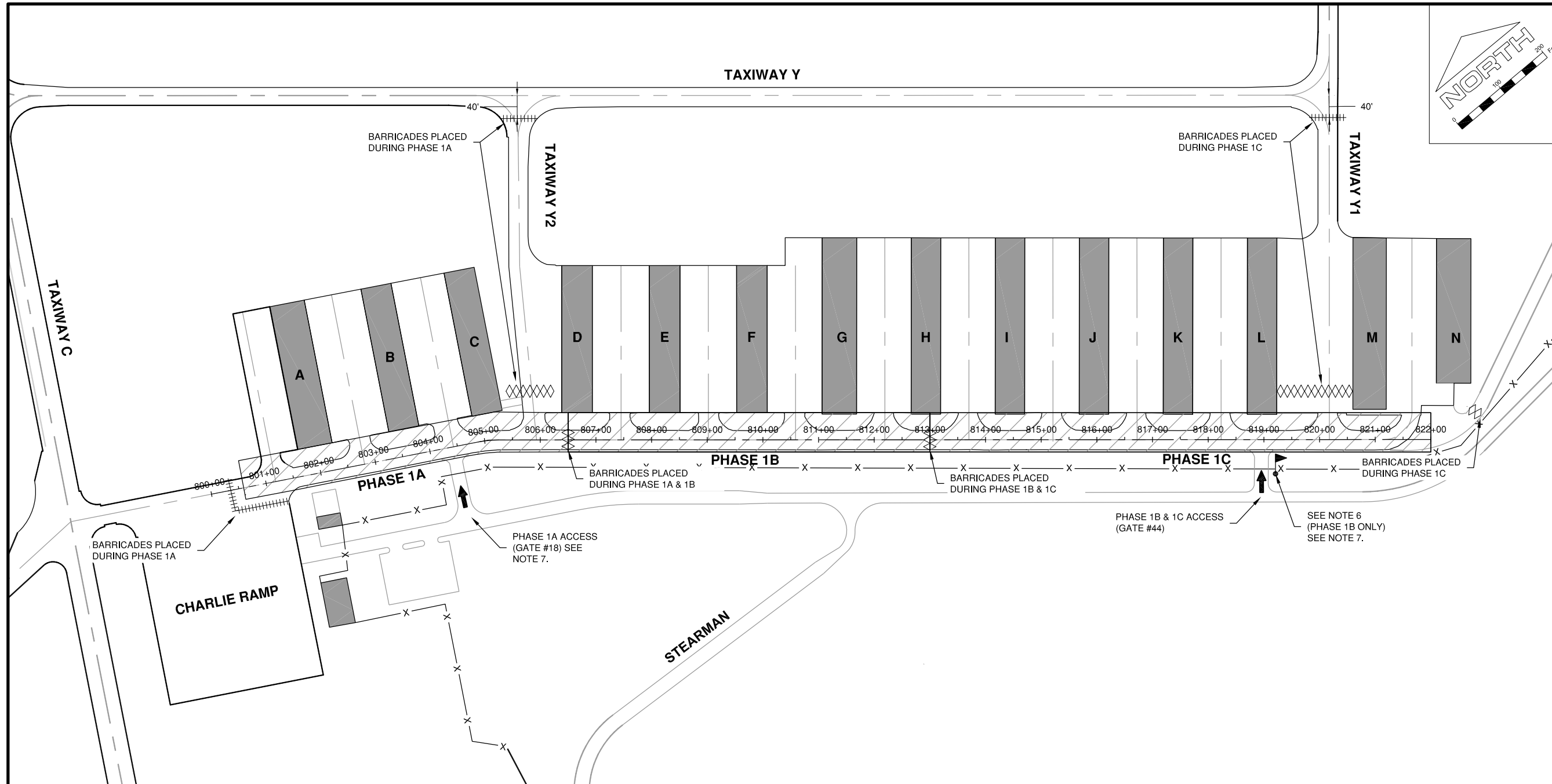
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SHEET TITLE
**CONSTRUCTION
ACTIVITY PLAN 1**



PHASE 1 NOTES

1. THE AIRPORT WILL REQUIRE 7 DAYS NOTICE PRIOR TO INITIATING THIS PHASE TO COORDINATE WITH THE T-HANGAR TENANTS.
2. THE CONTRACTOR SHALL PLACE ALL BARRICADES AS SHOWN PRIOR TO STARTING WORK ON EACH SUB-PHASE.
3. ACCESS TO THE CHARLIE RAMP & CERTAIN T-HANGARS SHALL BE MAINTAINED THROUGHOUT BY CONSTRUCTING EACH SUB-PHASE INDEPENDENTLY OF EACH OTHER.
4. THE CONTRACTOR SHALL CONTINUOUSLY CLEAN THE AREA DURING HAULING OPERATIONS AND AT THE END OF EACH CONSTRUCTION DAY.
5. AIRCRAFT AND AIRPORT VEHICLES SHALL HAVE THE RIGHT OF WAY.
6. THE CONTRACTOR SHALL STATION A FLAGMAN CAPABLE OF MONITORING ATCT FREQUENCY 121.9 AND SUSPEND HAULING OPERATIONS WHEN AIRCRAFT ARE INBOUND OR OUTBOUND TO THE HANGARS.
7. FLAGMAN SHALL DIRECT ALL NON-CONSTRUCTION TRAFFIC TO OTHER GATE DURING THIS SUB-PHASE AND DISABLE THIS GATE BEFORE LEAVING EACH DAY.

PHASE 1 - WORK DETAIL NOTES

CONSTRUCTION WORK IN PHASE 1 SHALL INCLUDE THE FOLLOWING:

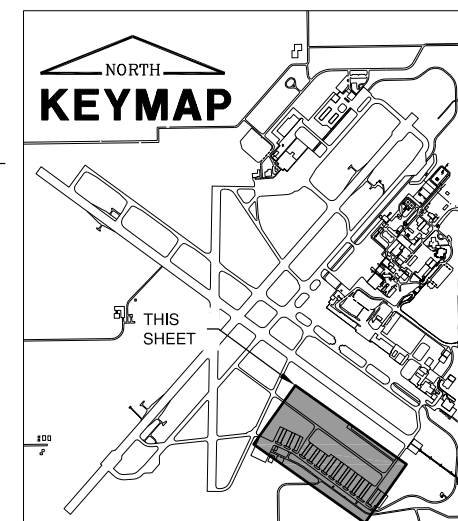
- REMOVAL OF EXISTING ROAD PAVEMENT.
- GRADING AND COMPACTING OF ROAD SUBGRADE.
- CONSTRUCT NEW ROAD PAVEMENT STRUCTURE.

WORK THAT MAY BE DONE CONCURRENTLY WITH OTHER PHASES

- NEW PAVEMENT MARKING.
- ESTABLISH SEEDING & TURFING AREAS.
- INSTALL NEW AIRFIELD SIGN.

LEGEND

- PHASE LIMITS
- AIRCRAFT MOVEMENT
- CONTRACTOR'S ACCESS/HAUL ROUTE
- EXISTING FENCE
- IDOT TYPE 1 FLASHER BARRICADES- SEE DETAIL
- BEAM BARRICADES- SEE DETAIL
- FLAGMAN/GATE GUARD CAPABLE OF MONITORING ATCT FREQUENCY 121.9

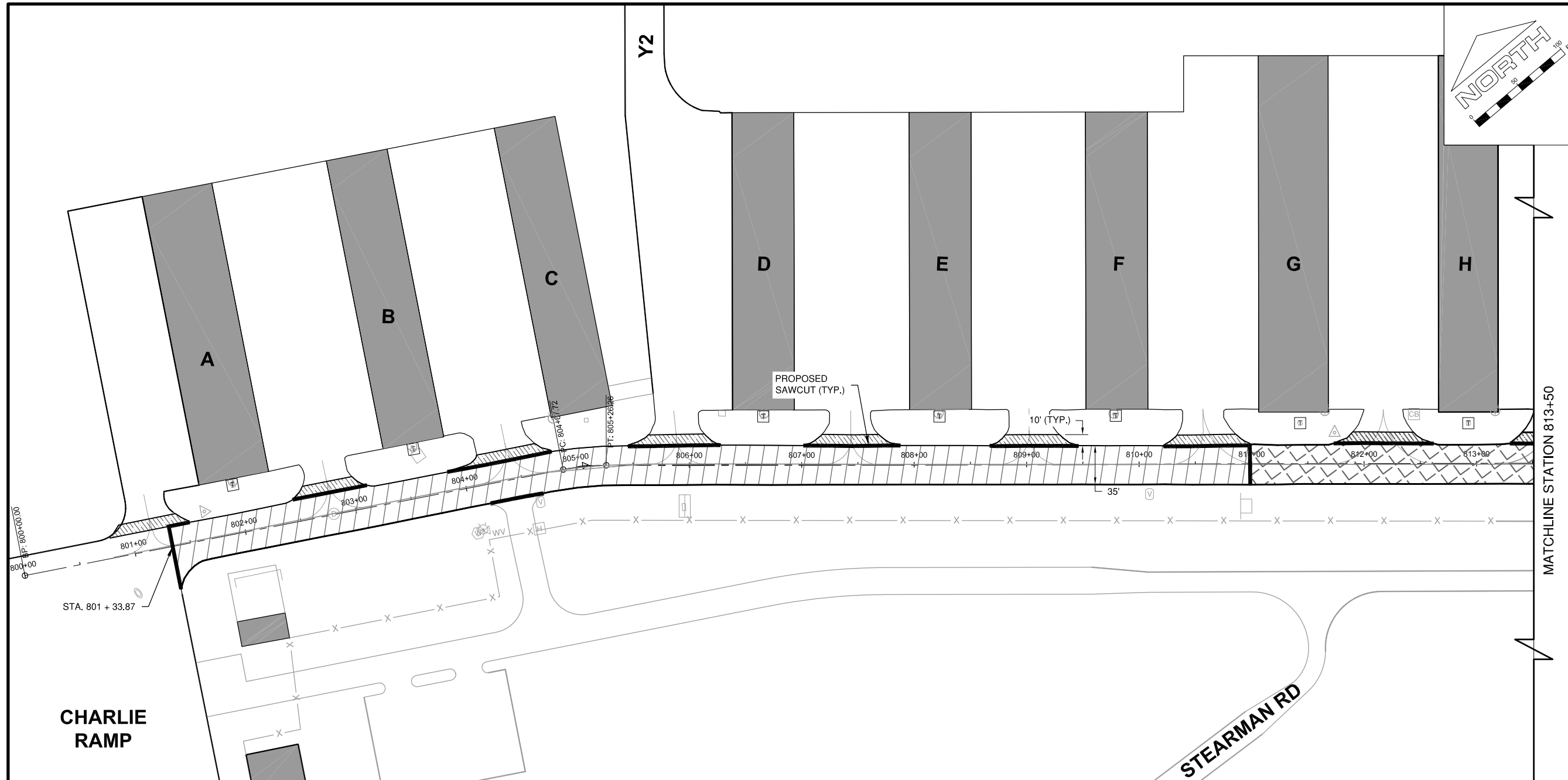




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SHEET TITLE
**C-RAMP TAXILANE
EXISTING
CONDITIONS 1**

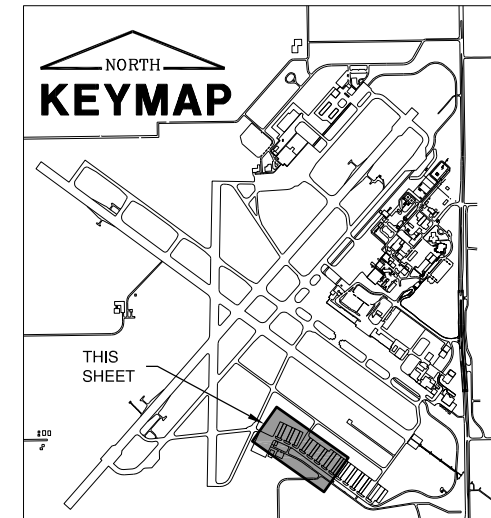
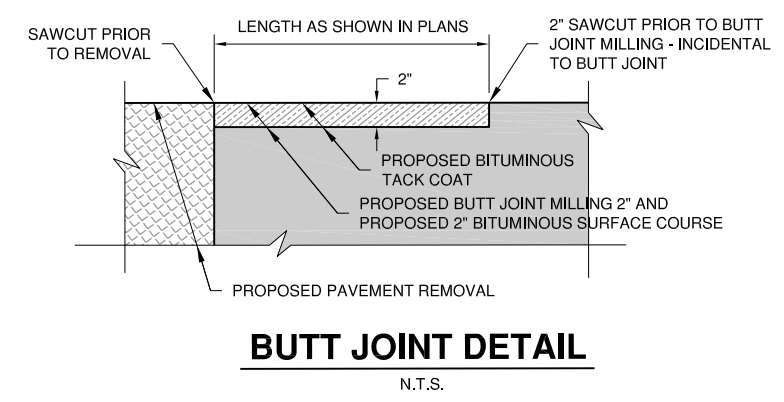


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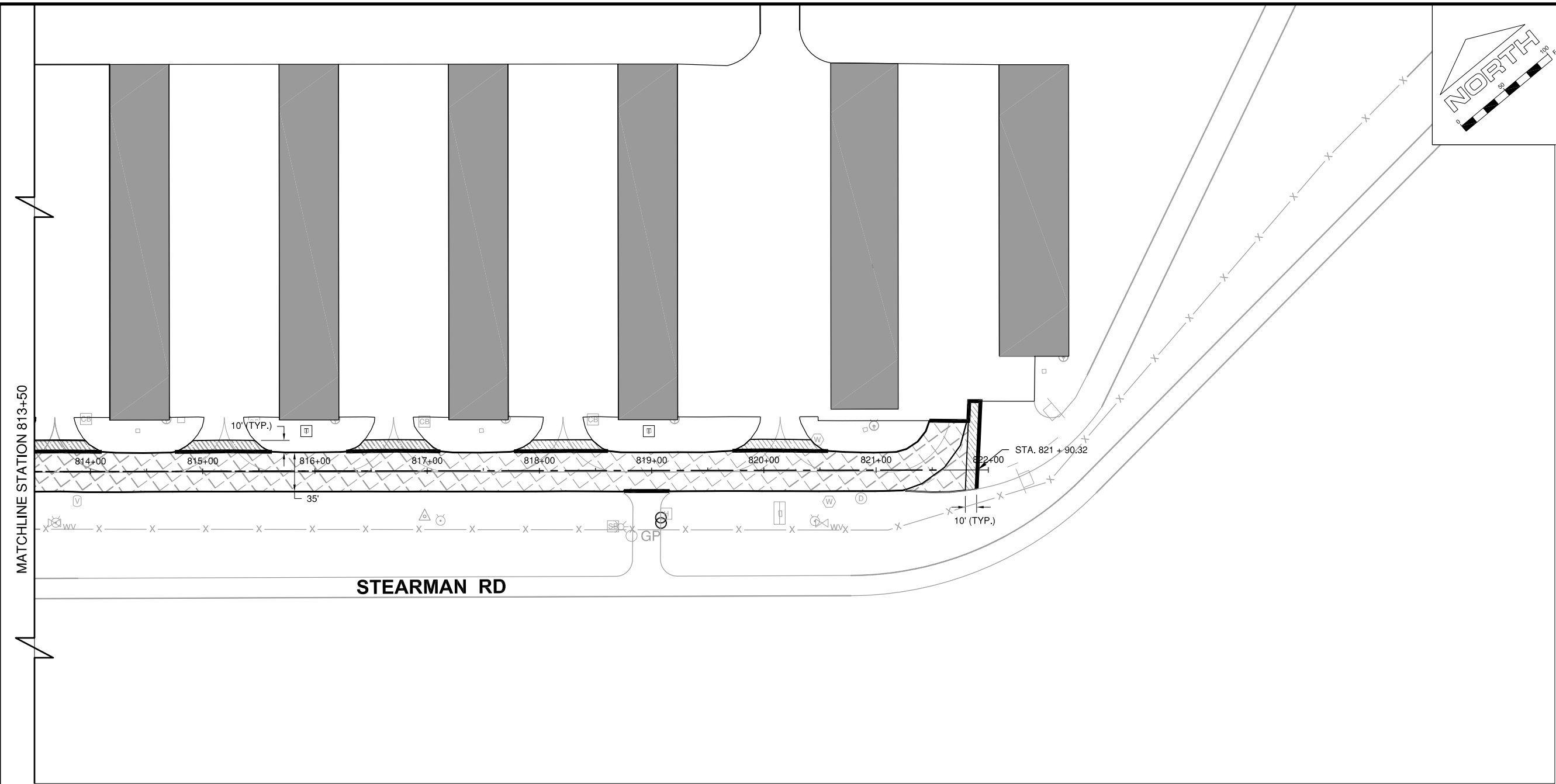
- [Hatched Box] PROPOSED PAVEMENT REMOVAL - 3" HMA/10" AGGREGATE BASE
- [Wavy Hatched Box] PROPOSED PAVEMENT REMOVAL - 4" HMA/6" AGGREGATE BASE
- [Diagonal Hatched Box] PROPOSED BUTT JOINT MILLING
- [Solid Line] PROPOSED SAWCUT PRIOR TO PAVEMENT REMOVAL
- [T in Square] EXISTING TRANSFORMER
- [Light Pole Symbol] EXISTING LIGHT POLE
- [SB in Square] EXISTING SPLICE BOX - ELECTRIC
- [E in Circle] EXISTING ELECTRIC METER
- [E in Circle] EXISTING ELECTRIC MANHOLE
- [D in Circle] EXISTING STORM MANHOLE
- [CB in Square] EXISTING CATCH BASIN
- [Sign Post Symbol] EXISTING SIGN POST
- [Flagpole Symbol] EXISTING FLAGPOLE
- [OGP in Circle] EXISTING GATE POST
- [Guard Post Symbol] EXISTING GUARD POST
- [Tree Symbol] EXISTING TREE, BUSH, & STUMP
- [X-X] EXISTING FENCELINE
- [UG-E] EXISTING UNDERGROUND ELECTRIC

THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER, THE DIVISION, NOR THE PROJECT ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DETAILED INFORMATION AND ASSISTANCE IN LOCATING UTILITIES. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY, THE OWNER, AND THE RESIDENT ENGINEER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE OWNER AND THE ENGINEER.



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MATCHLINE STATION 813+50

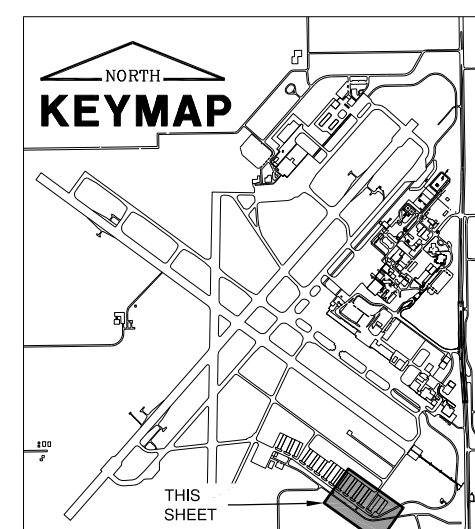
STEARMAN RD

- PROPOSED PAVEMENT REMOVAL - 3" HMA/10" AGGREGATE BASE
- PROPOSED PAVEMENT REMOVAL - 4" HMA/6" AGGREGATE BASE
- PROPOSED BUTT JOINT MILLING
- PROPOSED SAWCUT PRIOR TO PAVEMENT REMOVAL

- EXISTING TRANSFORMER
- EXISTING LIGHT POLE
- EXISTING SPLICE BOX - ELECTRIC
- EXISTING ELECTRIC METER
- EXISTING ELECTRIC MANHOLE
- EXISTING STORM MANHOLE
- EXISTING CATCH BASIN
- EXISTING SIGN POST
- EXISTING FLAGPOLE
- EXISTING GATE POST
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MARK	DATE	DESCRIPTION

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**C-RAMP TAXILANE
EXISTING
CONDITIONS 2**

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JUNE 22, 2016

REHABILITATE PERIMETER
ACCESS ROADS - PHASE 1

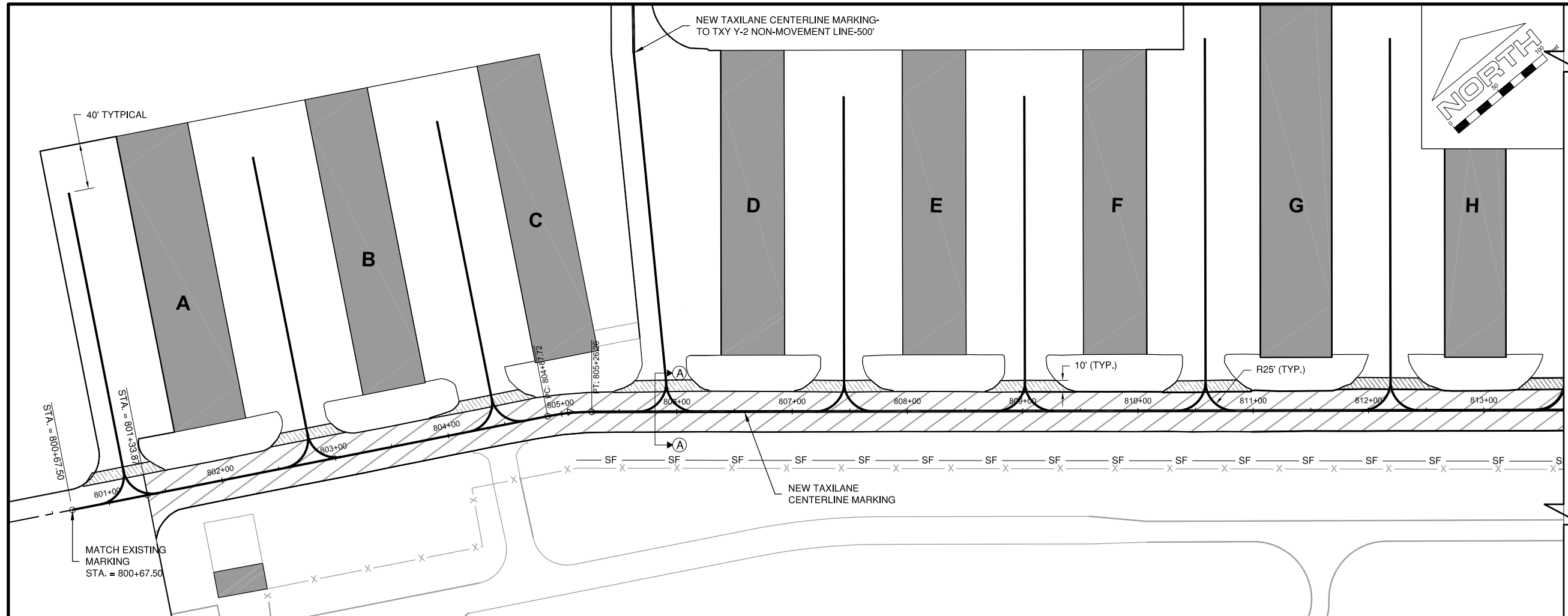
OWNER



SPRINGFIELD AIRPORT
AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL

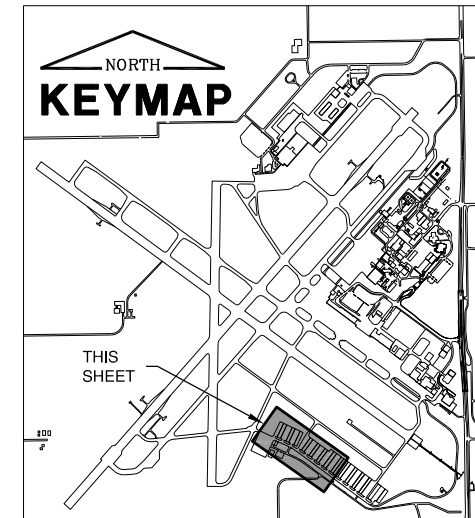
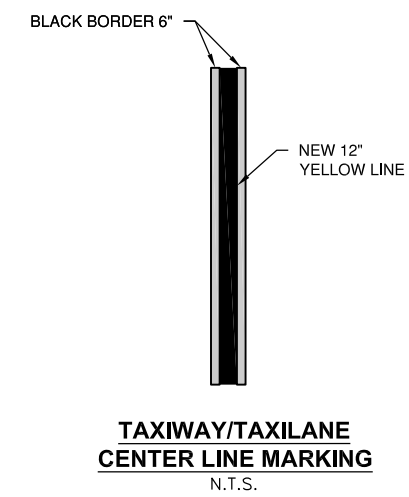
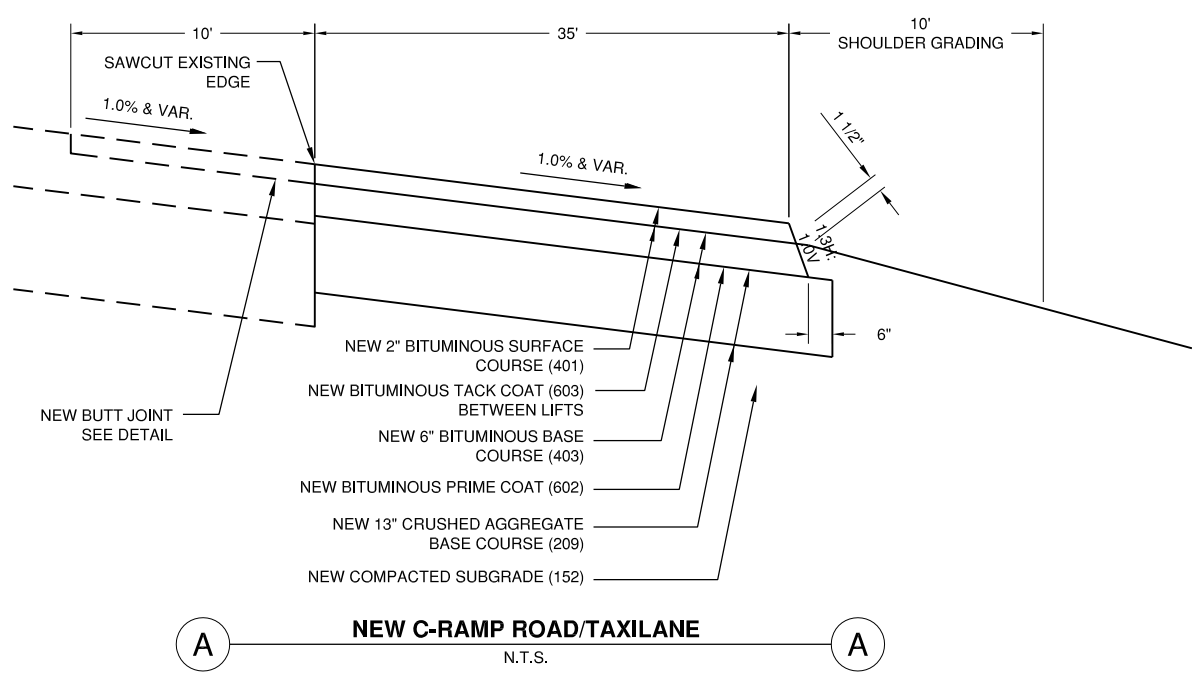
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		IL PROJ. NO: SPI-4440
		CMT PROJECT NO: 14035-07-00
		CAD DWG FILE: SPM440-1403507-CP101.DWG
		DESIGNED BY: JMW
		DRAWN BY: DPA
		CHECKED BY: RLV
		APPROVED BY: RLV
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SHEET TITLE
**C-RAMP TAXILANE
PROPOSED
IMPROVEMENTS 1**



LEGEND

- NEW PAVEMENT
NEW 2" BITUMINOUS SURFACE COURSE (401)
NEW 6" BITUMINOUS BASE COURSE (403)
NEW 13" CRUSHED AGGREGATE BASE COURSE (209)
NEW COMPACTED SUBGRADE (152)
- PROPOSED BUTT JOINT
- NEW PAVEMENT MARKING
- NEW SILT FENCE



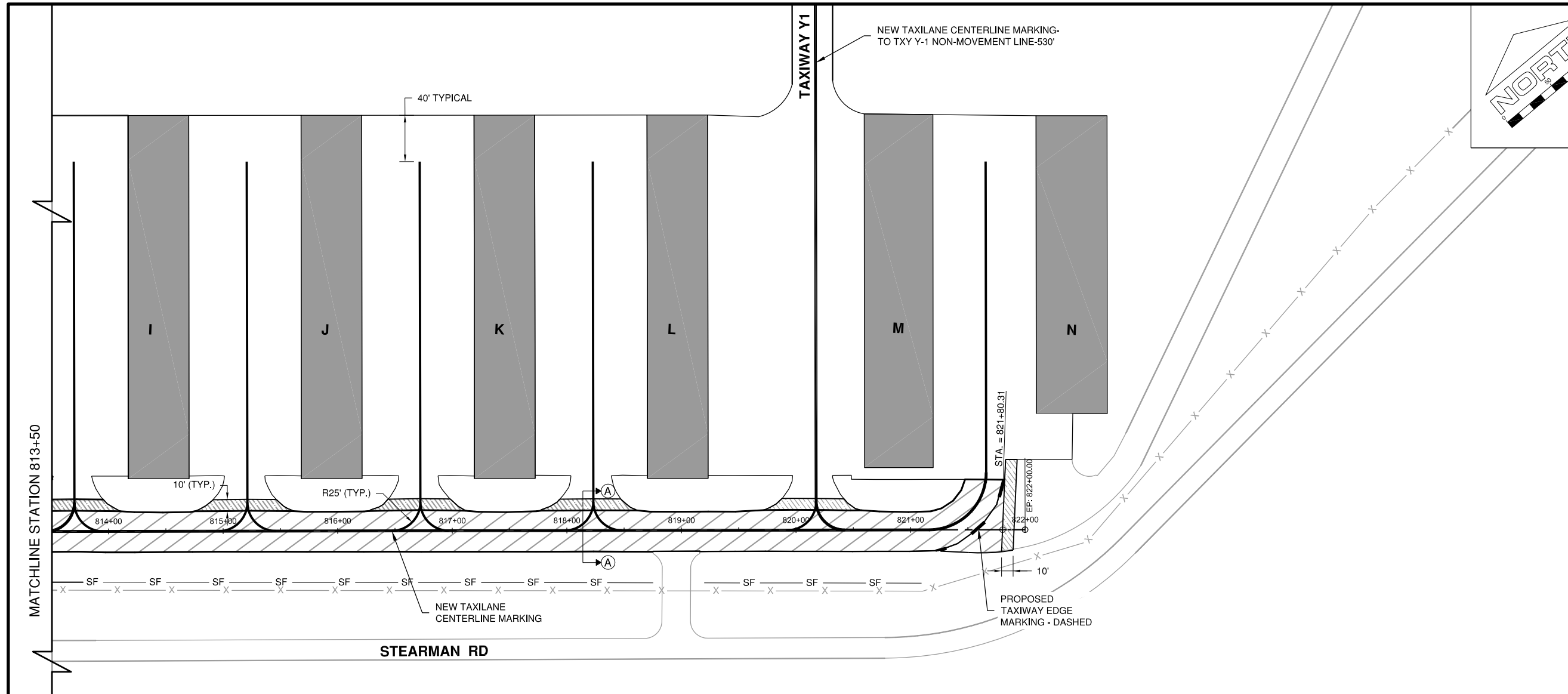
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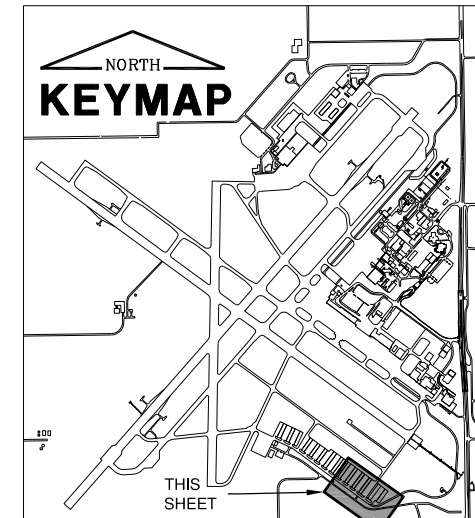
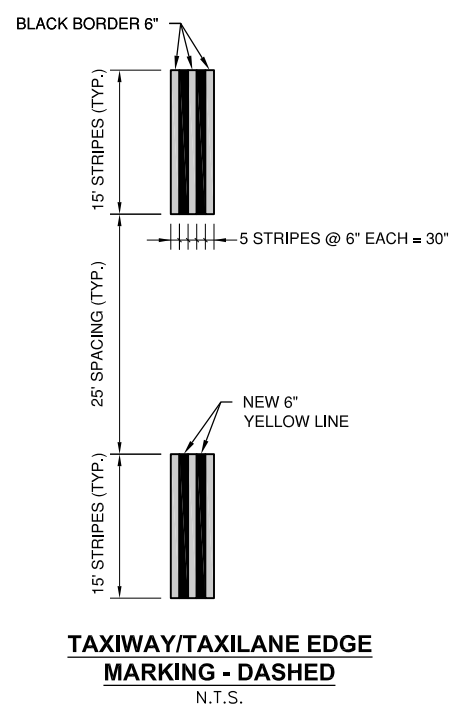
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- PROPOSED BUTT JOINT
- NEW PAVEMENT MARKING
- NEW SILT FENCE



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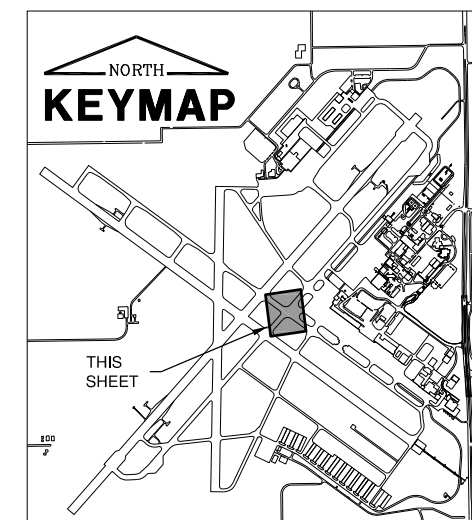
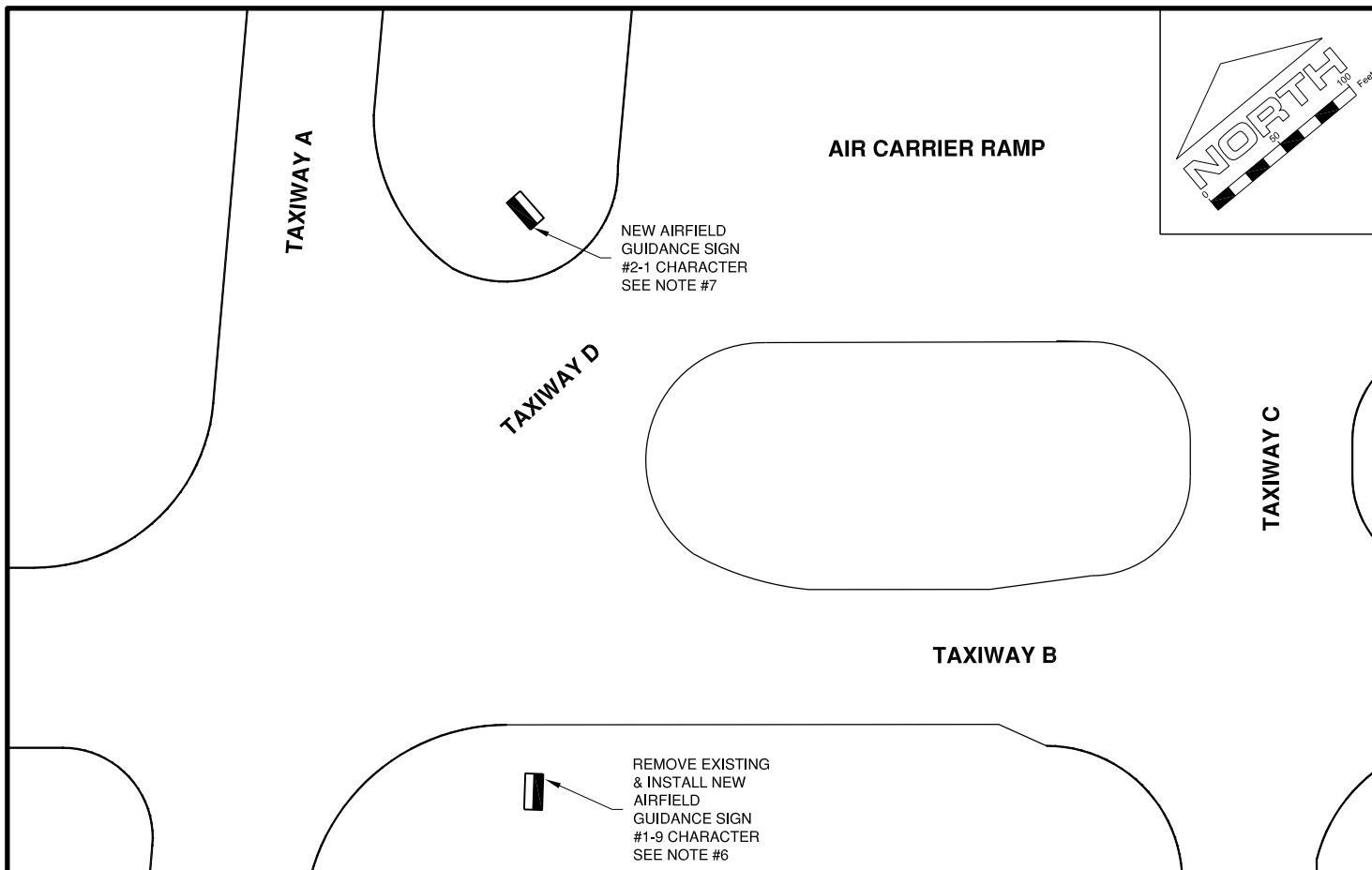
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

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CAD DWG FILE:	SPM440-1403507-E101.DWG
DESIGNED BY:	JMW
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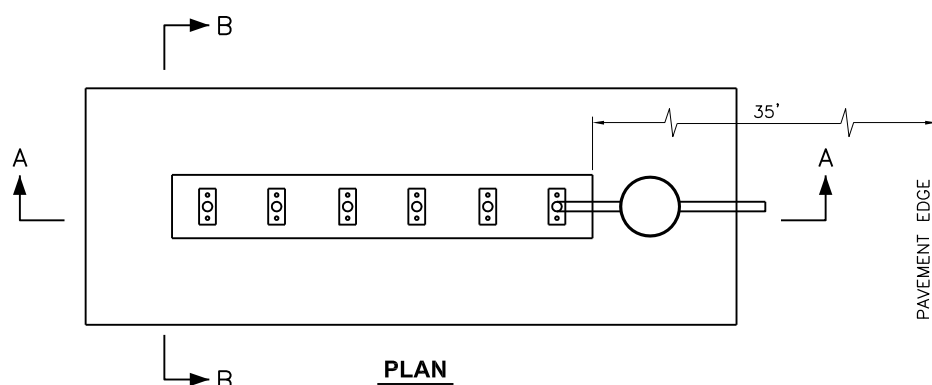
SHEET TITLE
PROPOSED AIRFIELD SIGN & DETAILS

SIGN #	SIDE	NEW SIGN LEGEND	WHITE WITH BLACK OUTLINE ON RED BACKGROUND	BLACK LEGEND ON YELLOW BACKGROUND	YELLOW LEGEND ON BLACK BACKGROUND	NUMBER OF CHARACTERS	NOTES
#1	E W	BLANK D			D	1	NEW SIGN
#2	SE NW	← A B B ↑ A → D ↘ B		← A B ↑ A → D ↘ B	B B	9	REMOVE EXISTING & INSTALL NEW SIGN

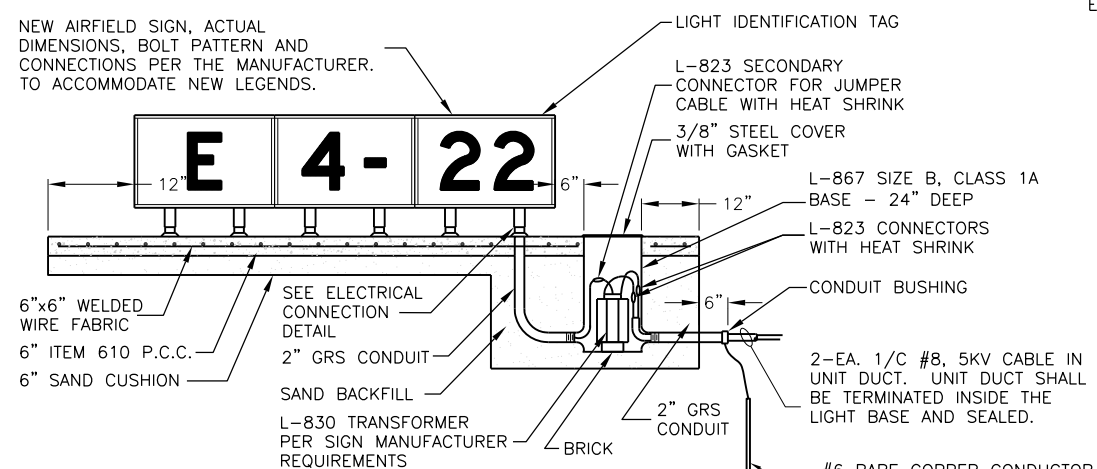


AIRFIELD SIGN NOTES

1. TRANSFORMER WATTAGE SHALL BE AS REQUIRED BY SIGN MANUFACTURER.
2. SIGN LEGEND SHALL BE AS SHOWN IN THE PLANS.
3. SIGNS SHALL BE SIZE 2, STYLE 2, CLASS 2.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH NEW LEGENDS FOR APPROVAL PRIOR TO STARTING MANUFACTURE.
5. PROPOSED SIGNS SHALL BE LUMACURVE.
6. DISCONNECT EXISTING CABLE & REMOVE AS NEEDED TO INSTALL NEW 2 EACH-1/C #8 5KV CABLE IN UNIT DUCT TO NEAREST EDGE LIGHT.
7. INSTALL NEW 2-EACH-1/C #8 5KV CABLE IN UNIT DUCT TO NEAREST EDGE LIGHT.



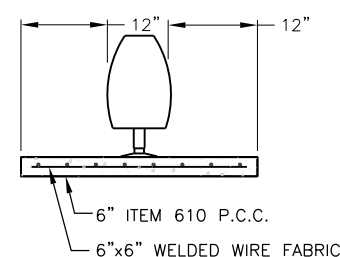
NEW AIRFIELD SIGN, ACTUAL DIMENSIONS, BOLT PATTERN AND CONNECTIONS PER THE MANUFACTURER. TO ACCOMMODATE NEW LEGENDS.



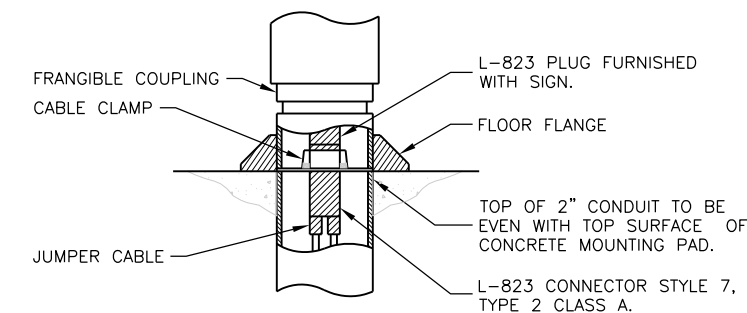
SECTION A-A

L-858 AIRFIELD SIGN DETAILS

N.T.S.



SECTION B-B



ELECTRICAL CONNECTION DETAIL

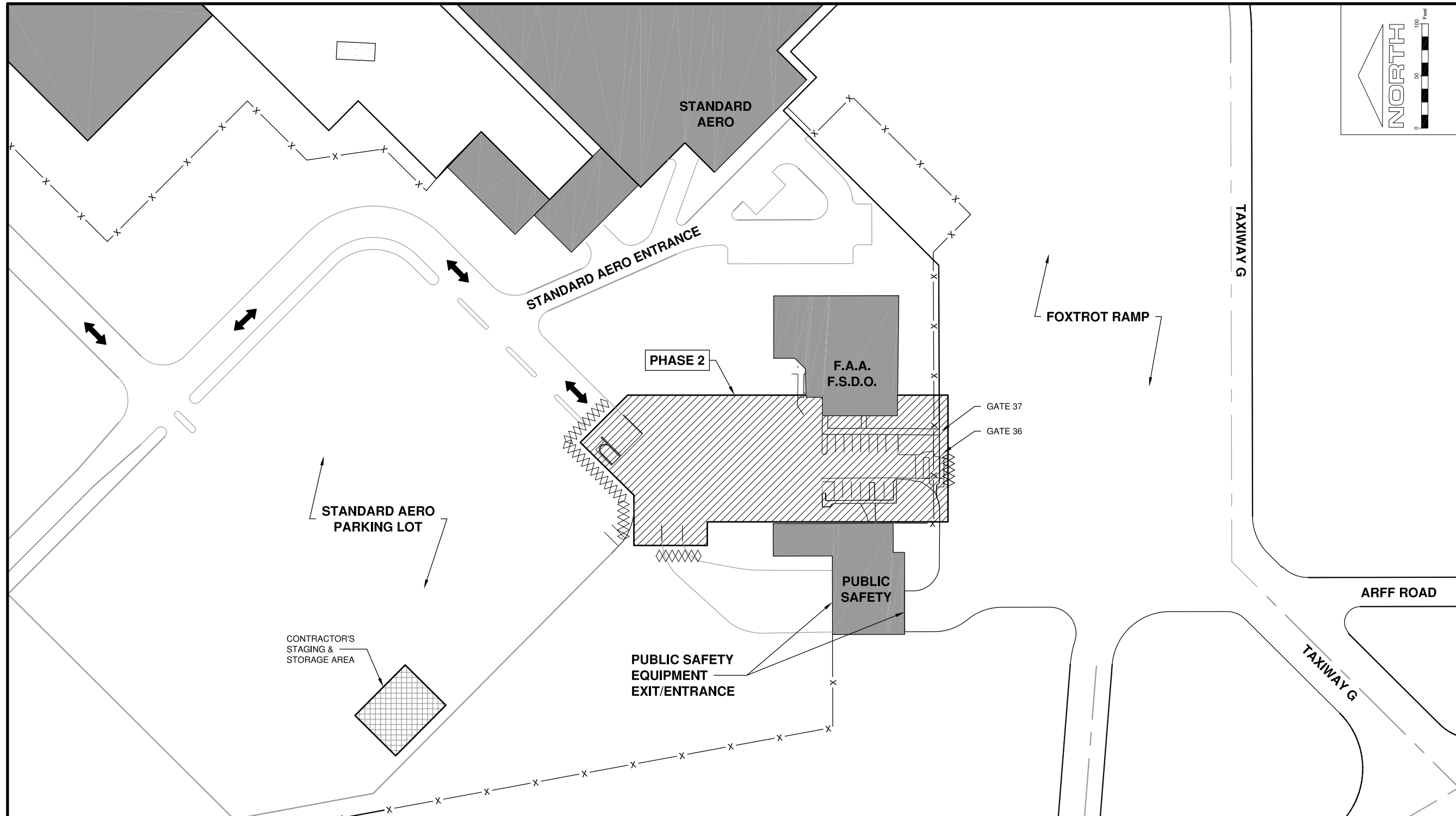
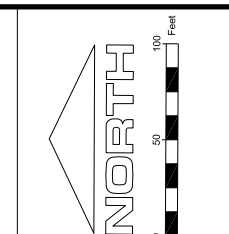
N.T.S.



MARK	DATE	DESCRIPTION

AIP PROJ. NO:	3-17-0096-XX
IL PROJ. NO:	SP1-4440
CMT PROJECT NO:	14035-07-00
CAD DWG FILE:	SP1440-1403507-GC102.DWG
DESIGNED BY:	JMW
DRAWN BY:	DPA
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APPROVED BY:	RLV
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SHEET TITLE
**CONSTRUCTION
ACTIVITY PLAN 2**

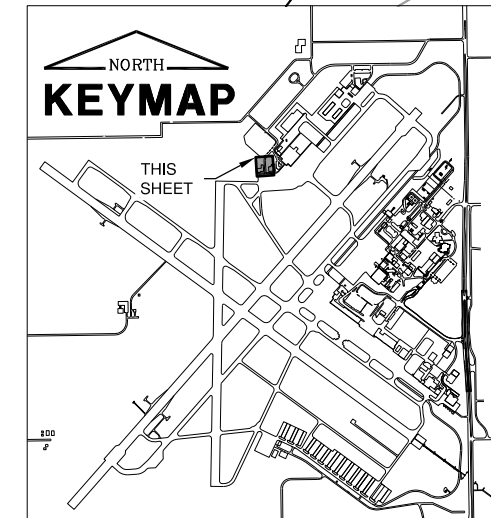


LEGEND

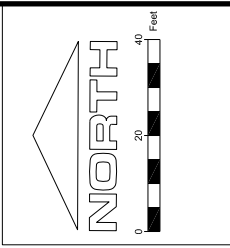
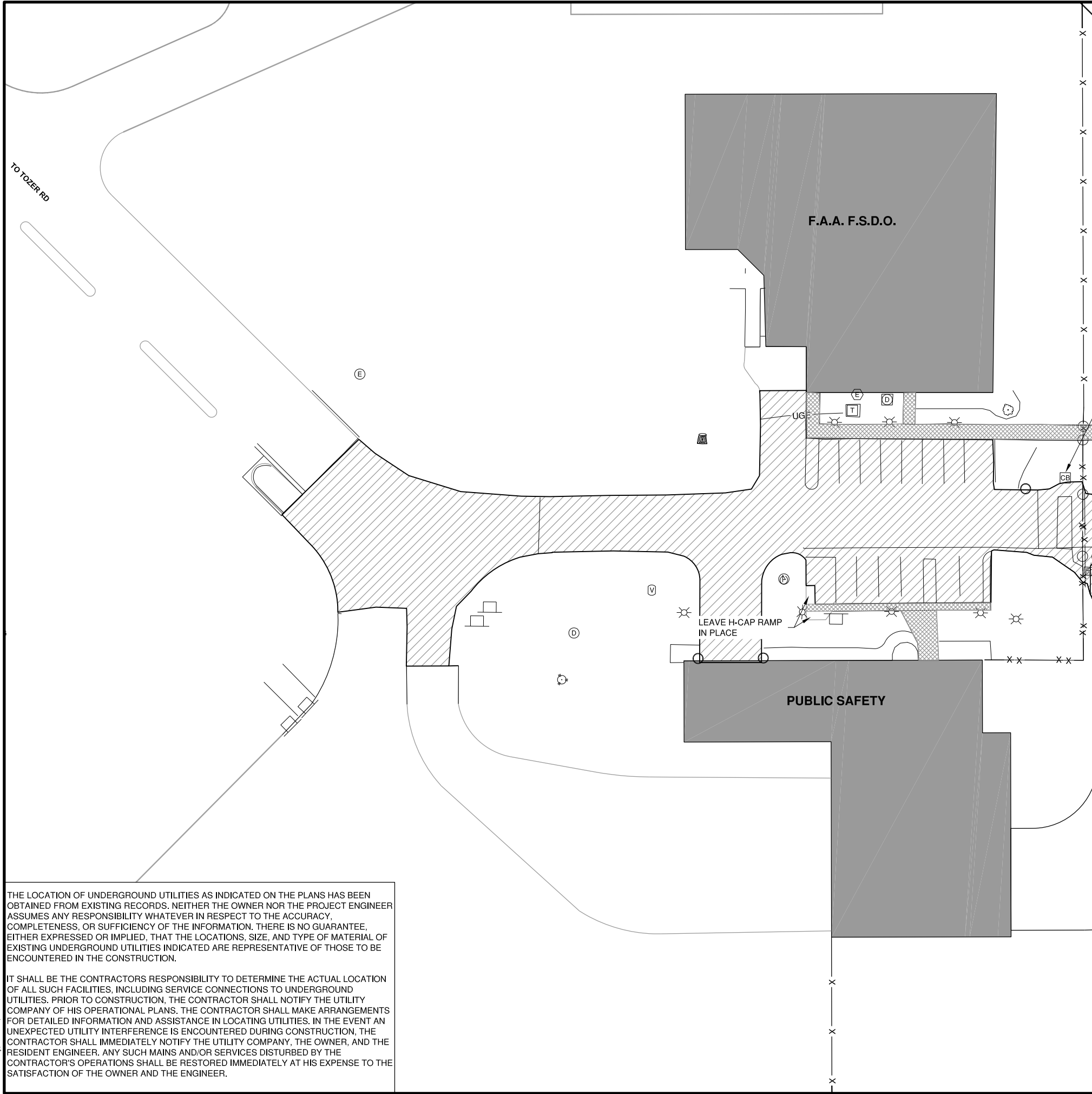
	PHASE LIMITS
	CONTRACTOR'S ACCESS/HAUL ROUTE
	EXISTING FENCE
	FLASHER BARRICADES

- PHASE 2 NOTES**
1. THE AIRPORT WILL REQUIRE 7 DAYS NOTICE PRIOR TO INITIATING THIS PHASE TO COORDINATE WITH THE NEAR BY TENANTS.
 2. THE CONTRACTOR SHALL PLACE ALL BARRICADES AS SHOWN PRIOR TO STARTING WORK ON THIS PHASE.

- PHASE 2 - WORK DETAIL NOTES**
- CONSTRUCTION WORK IN PHASE 2 SHALL INCLUDE THE FOLLOWING:
- REMOVAL OF ROAD PAVEMENT & EXISTING ROADWAY AGGREGATE.
 - GRADING AND COMPACTING OF ROAD SUBGRADE.
 - CONSTRUCT NEW ROAD PAVEMENT STRUCTURE.
- WORK THAT MAY BE DONE CONCURRENTLY WITH OTHER PHASES
- NEW PAVEMENT MARKING.
 - ESTABLISH SEEDING & TURFING AREAS.



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 Date: Thursday, June 30, 2016 3:28:18 PM



LEGEND

- EXISTING TRANSFORMER
- EXISTING LIGHT POLE
- EXISTING SPLICE BOX - ELECTRIC
- EXISTING ELECTRIC METER
- EXISTING ELECTRIC MANHOLE
- EXISTING STORM MANHOLE
- EXISTING CATCH BASIN
- EXISTING SIGN POST
- EXISTING FLAGPOLE
- EXISTING GATE POST
- EXISTING GUARD POST
- EXISTING TREE, BUSH, & STUMP
- EXISTING FENCELINE
- EXISTING UNDERGROUND ELECTRIC

EXISTING STRUCTURE

- PROPOSED 8"± PCC PAVEMENT REMOVAL
- PROPOSED FULL DEPTH PCC SIDEWALK REMOVAL

CONSULTANTS

CA018

JUNE 22, 2016

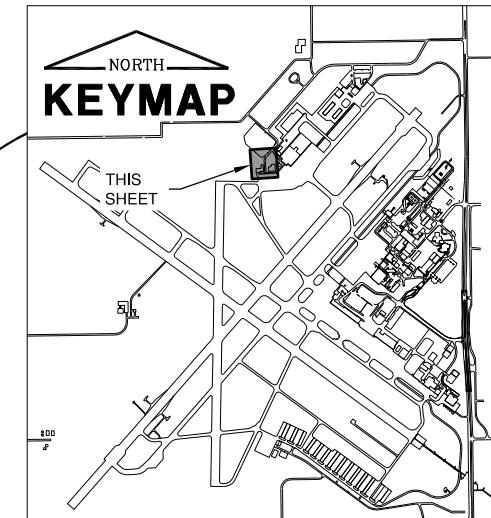
REHABILITATE PERIMETER ACCESS ROADS - PHASE 1

OWNER

 SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO:	3-17-0096-XX
IL PROJ. NO:	SP1-4440
CMT PROJECT NO:	14035-07-00
CAD DWG FILE:	SP14440-1403507-CD103.DWG
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 Date: Thursday, June 30, 2016 3:10:17 PM

THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE PROJECT ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DETAILED INFORMATION AND ASSISTANCE IN LOCATING UTILITIES. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY, THE OWNER, AND THE RESIDENT ENGINEER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE OWNER AND THE ENGINEER.

SHEET TITLE
PUBLIC SAFETY ROAD EXISTING CONDITIONS

LEGEND

-  NEW PUBLIC SAFETY ROADWAY PAVEMENT (SEE SECTION B-B)
NEW 11" PCC PAVEMENT (501)
NEW 6" CRUSHED AGGREGATE BASE COURSE (209)
NEW COMPACTED SUBGRADE (152)
-  NEW PUBLIC SAFETY PARKING PAVEMENT (SEE SECTION C-C)
NEW 5" PCC PAVEMENT (501)
NEW 4" CRUSHED AGGREGATE BASE COURSE (209)
NEW COMPACTED SUBGRADE (152)
-  PROPOSED PAVEMENT MARKING
-  NEW 4" PCC SIDEWALK (501)



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CONSULTANTS

CA018

JUNE 22, 2016

REHABILITATE PERIMETER ACCESS ROADS - PHASE 1

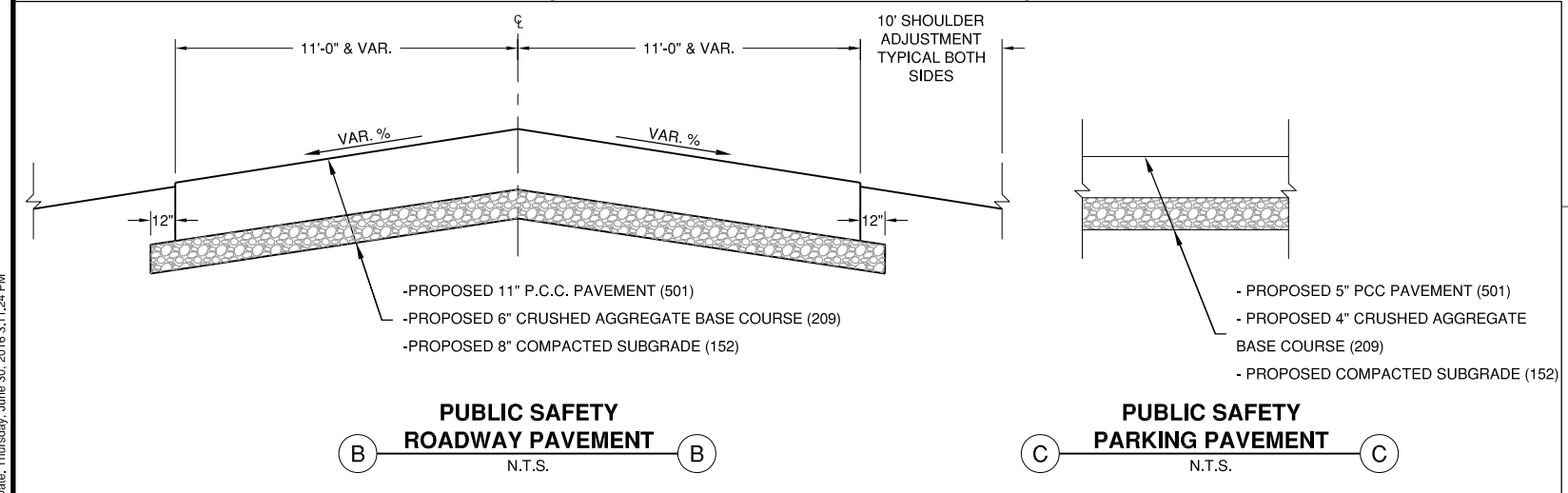
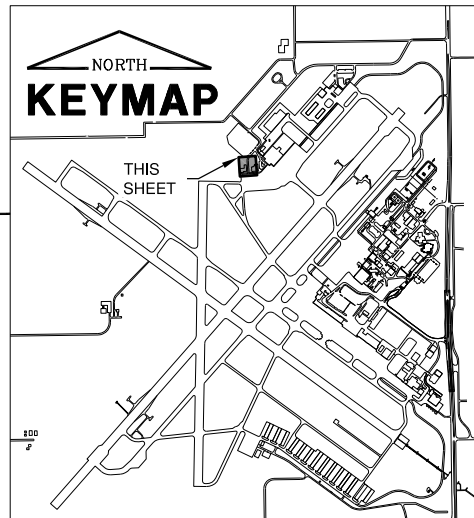
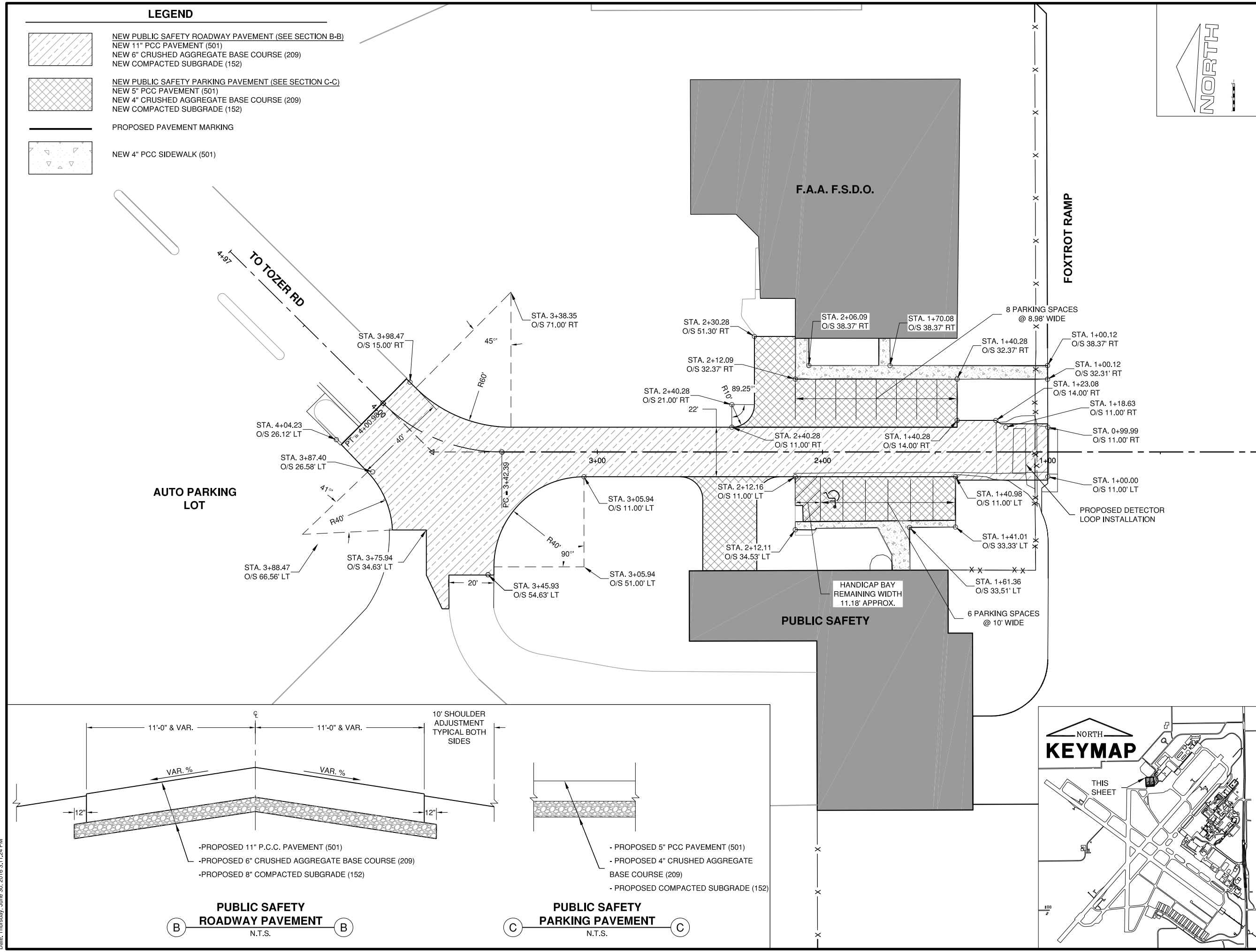
OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0096-XX	
IL PROJ. NO:	SPI-4440	
CMT PROJECT NO:	14035-07-00	
CAD DWG FILE:	SPM440-1403507-CP103.DWG	
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SHEET TITLE
PUBLIC SAFETY ROAD PROPOSED IMPROVEMENTS



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JUNE 22, 2016

REHABILITATE PERIMETER
 ACCESS ROADS - PHASE 1

OWNER



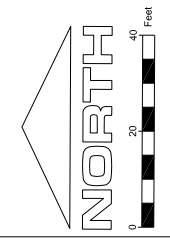
SPRINGFIELD AIRPORT
 AUTHORITY
 ABRAHAM LINCOLN CAPITAL
 AIRPORT
 SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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 IL PROJ. NO: SP1-4440
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SHEET TITLE
**PUBLIC SAFETY ROAD
 STAKING PLAN**

SHEET 17 OF 31



FOXTROT RAMP

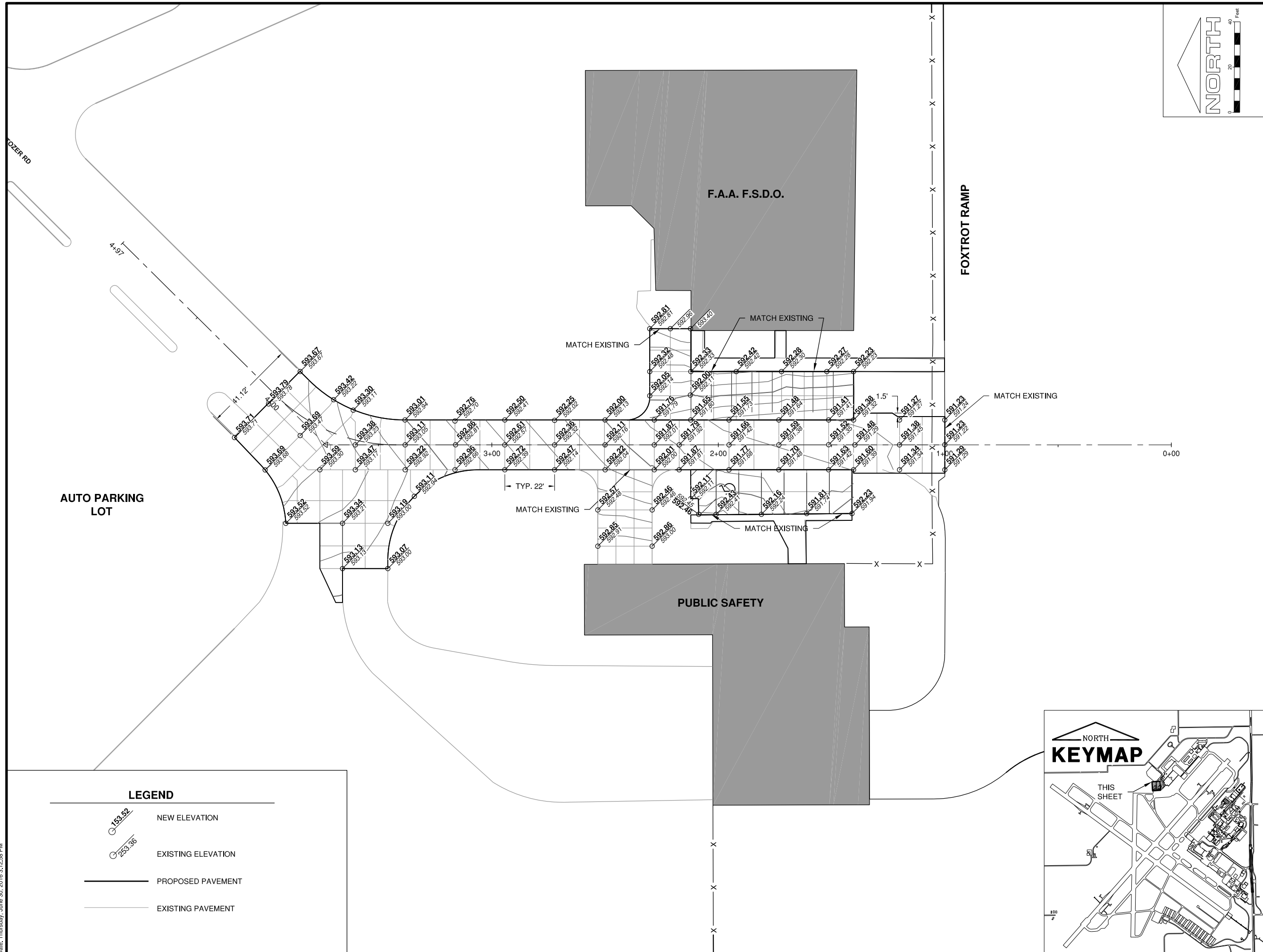
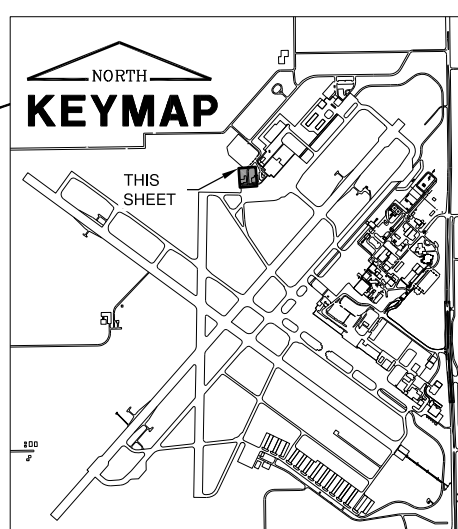
F.A.A. F.S.D.O.

PUBLIC SAFETY

AUTO PARKING LOT

LEGEND

- NEW ELEVATION
- EXISTING ELEVATION
- PROPOSED PAVEMENT
- EXISTING PAVEMENT

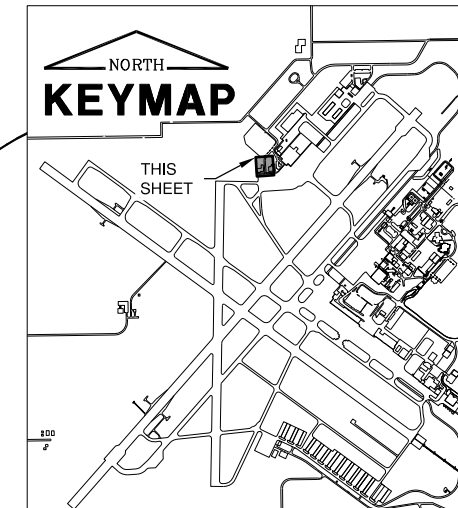
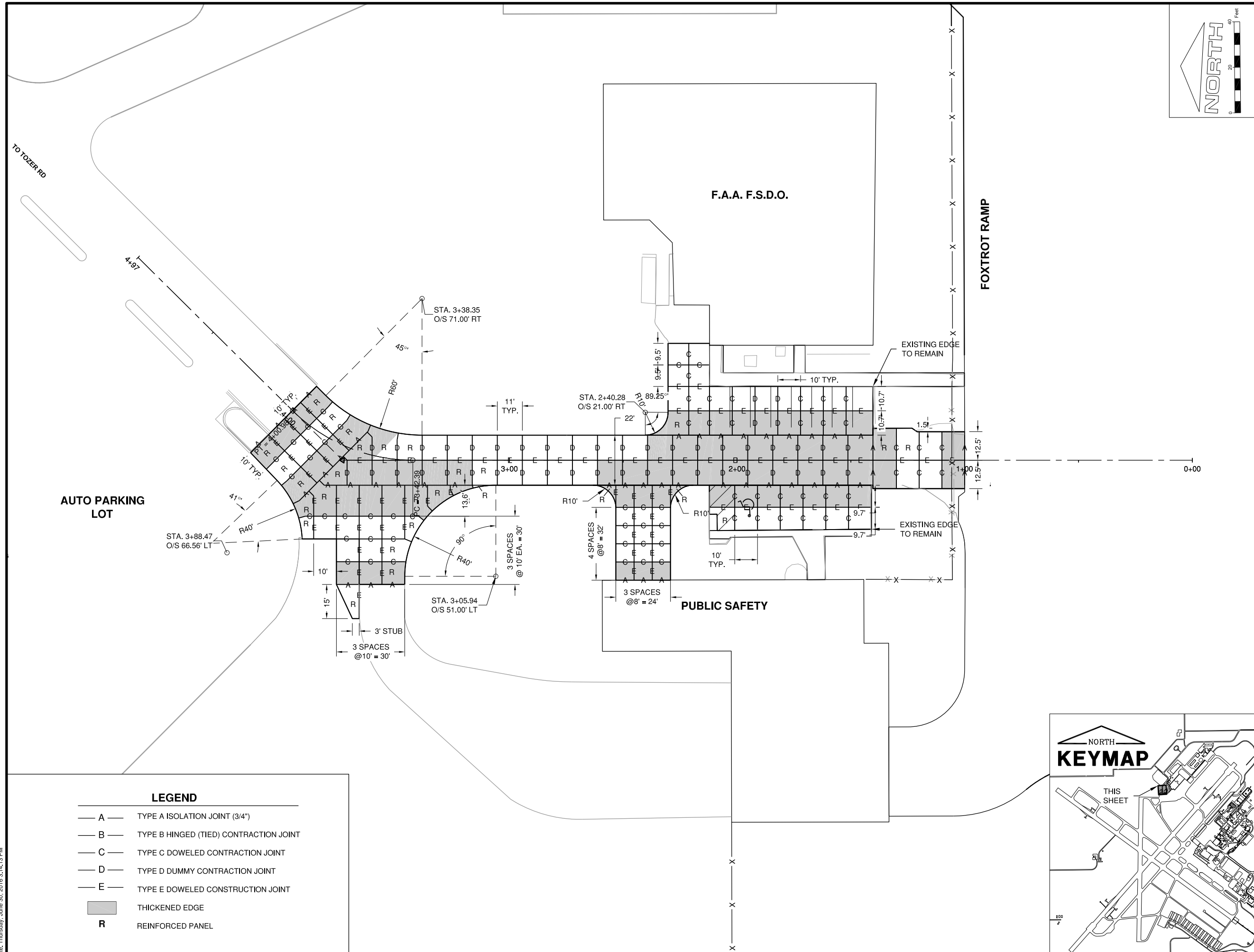
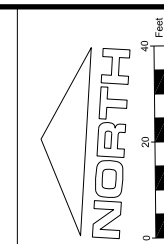




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IL PROJ. NO:	SPI-4440
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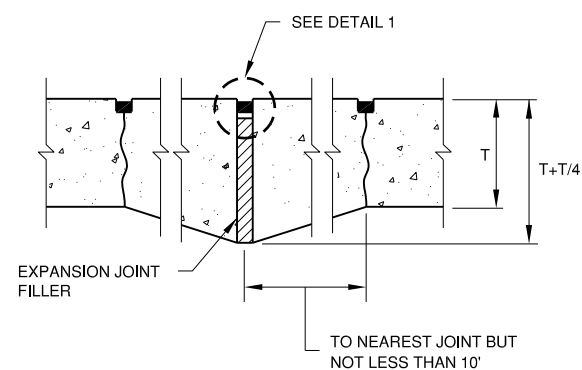
SHEET TITLE
**PUBLIC SAFETY ROAD
JOINTING PLAN**



LEGEND

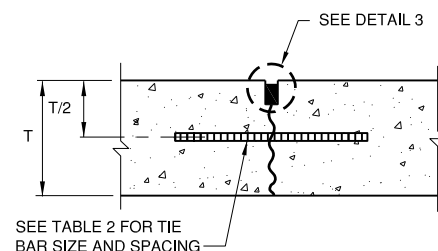
— A —	TYPE A ISOLATION JOINT (3/4")
— B —	TYPE B HINGED (TIED) CONTRACTION JOINT
— C —	TYPE C DOWELED CONTRACTION JOINT
— D —	TYPE D DUMMY CONTRACTION JOINT
— E —	TYPE E DOWELED CONTRACTION JOINT
■	THICKENED EDGE
R	REINFORCED PANEL

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TYPE A THICKENED ISOLATION

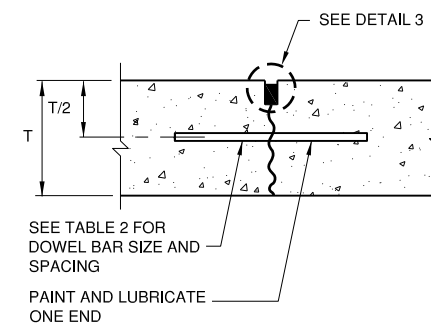
SYMBOL — A —



SEE TABLE 2 FOR TIE BAR SIZE AND SPACING

TYPE B HINGED (TIED) CONTRACTION

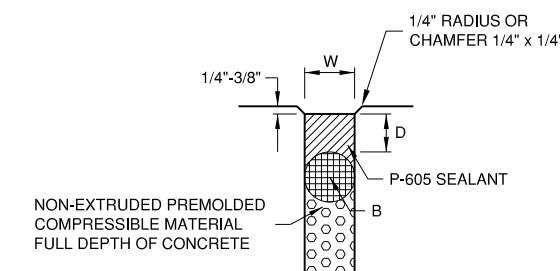
SYMBOL — B —



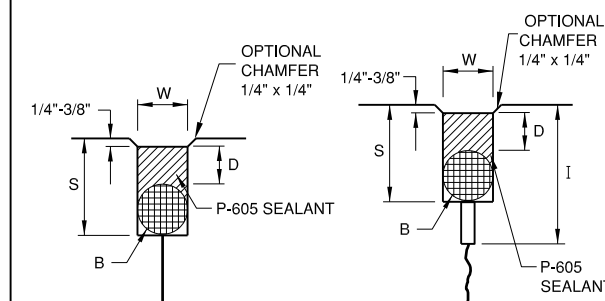
SEE TABLE 2 FOR DOWEL BAR SIZE AND SPACING
PAINT AND LUBRICATE ONE END

TYPE C DOWELED CONTRACTION

SYMBOL — C —



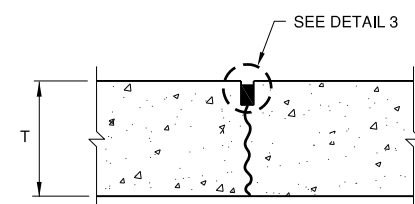
DETAIL 1



DETAIL 2

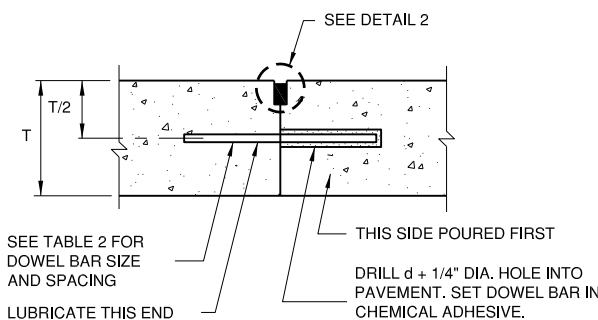
DETAIL 3

JOINT SEALING DETAILS



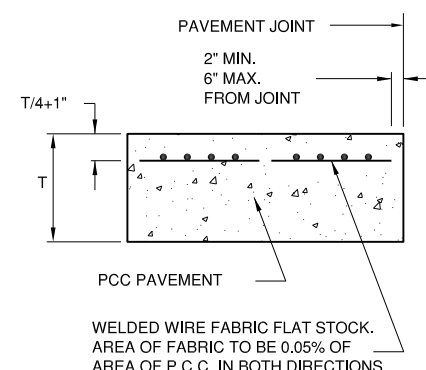
TYPE D DUMMY CONTRACTION

SYMBOL — D —



TYPE E DOWELED CONSTRUCTION

SYMBOL — E —



ODD SHAPED PANEL REINFORCEMENT

SYMBOL R

TABLE 1

PAVEMENT THICKNESS T - INCHES	DEPTH OF CONTRACTION JOINT INITIAL SAW CUT I, INCHES I=(T/3) ±1/4"
5	1.67"
6	2.00"
7	2.33"
8	2.67"
9	3.00"
10	3.33"
11	3.67"
12	4.00"
13	4.33"
14	4.67"
15	5.00"
16	5.33"
17	5.67"
18	6.00"

TABLE 2

PAVEMENT THICKNESS T - INCHES	DOWEL BAR DETAILS			TIE BAR DETAILS		
	DIA.	LENGTH	SPACING	BAR SIZE	LENGTH	SPACING
5	5/8"	12"	12"	#4	24"	30"
6	3/4"	18"	12"	#5	30"	30"
7	3/4"	18"	12"	#5	30"	30"
8	1"	19"	12"	#5	30"	30"
9	1"	19"	12"	#5	30"	30"
10	1"	19"	12"	#5	30"	30"
11	1"	19"	12"	#5	30"	30"
12	1"	19"	12"	#5	30"	30"
13	1 - 1/4"	20"	15"	#5	30"	30"
14	1 - 1/4"	20"	15"	#5	30"	30"
15	1 - 1/4"	20"	15"	#5	30"	30"
16	1 - 1/4"	20"	15"	#5	30"	30"
17	1 - 1/2"	20"	18"	#5	30"	30"
18	1 - 1/2"	20"	18"	#5	30"	30"

JOINT SEALING DIMENSIONS

	DETAIL 1	DETAIL 2	DETAIL 3
W=WIDTH OF SEALANT RESERVOIR (IN.)	3/4 +/-1/8	1/2	1/2
D=DEPTH OF SEALANT RESERVOIR (IN.)	3/4 +/-1/8	1/4	1/4
B=BACKER ROD DIAMETER (IN.)	7/8	5/8	5/8
S=SECOND SAWCUT DEPTH (IN.) MINIMUM	N/A	1-3/8	1-3/8

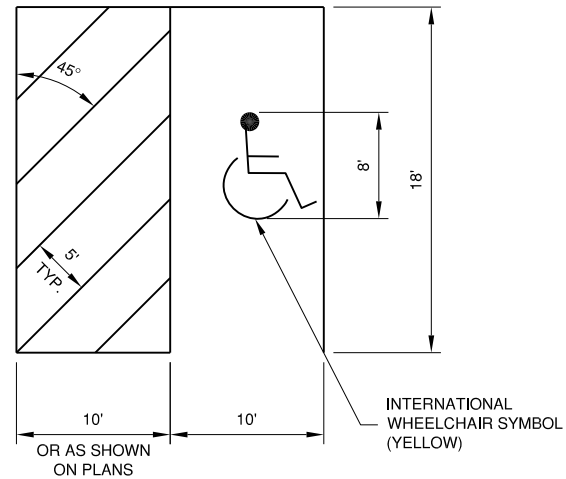
JOINT NOTES

- ALL EDGES OF NEW SLABS, FREE STANDING OR CLOSURE, SHALL BE EDGED WITH AN APPROVED TOOL HAVING A CHAMFER OF 1/8" TO 1/4" TO FACILITATE SAWING OF THE SEALANT RESERVOIR. A CHAMFER > 1/4" WILL NOT BE ACCEPTABLE.
- THE INITIAL SAWCUT FOR ALL LONGITUDINAL & TRANSVERSE CONTRACTION JOINTS SHALL BE SAWED AS SOON AS POSSIBLE AFTER PLACEMENT OF THE PAVEMENT.
- ALL TIE BARS & MESH SHALL BE SECURELY HELD IN PLACE BY SUPPORT PINS OR OTHER APPROVED METHODS TO PREVENT SHIFTING DURING & AFTER CONCRETE PLACEMENT.
- TIE BARS SHALL BE DEFORMED BARS IN CONFORMANCE WITH THE SPECIFICATIONS.
- THE INITIAL SAWCUT SHALL BE MADE TO THE 1/8" WIDTH INDICATED. INITIAL SAWING TO THE DIMENSIONS OF THE SECOND SAWCUT WILL NOT BE ALLOWED.

MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX
IL PROJ. NO: SPI-4440
CMT PROJECT NO: 14035-07-00
CAD DWG FILE: SPM4440-1403507-GC501.DWG
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DRAWN BY: DPA
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SHEET TITLE
PUBLIC SAFETY ROAD JOINTING DETAILS

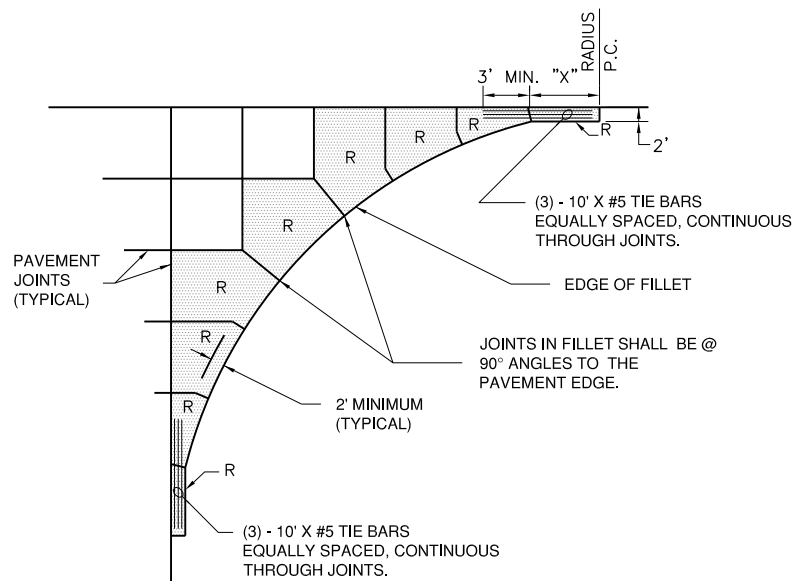


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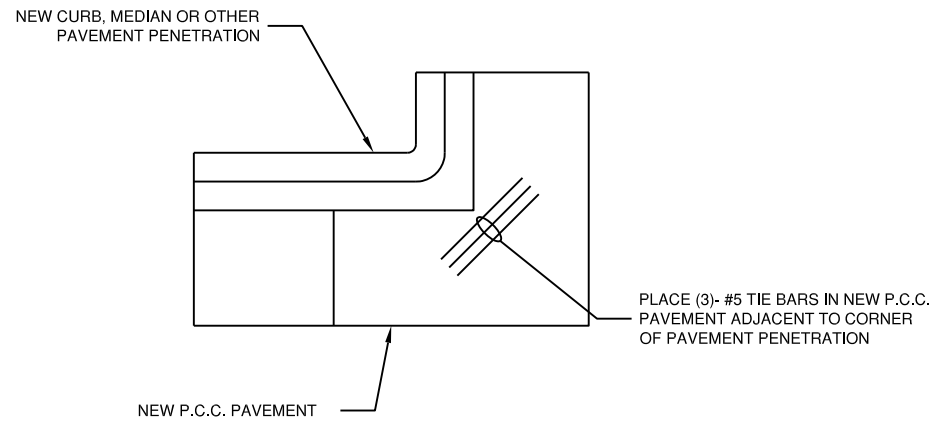
1. ALL MARKING SHALL CONSIST OF 4" WIDE YELLOW STRIPES.

HANDICAP PARKING SPACE

N.T.S.

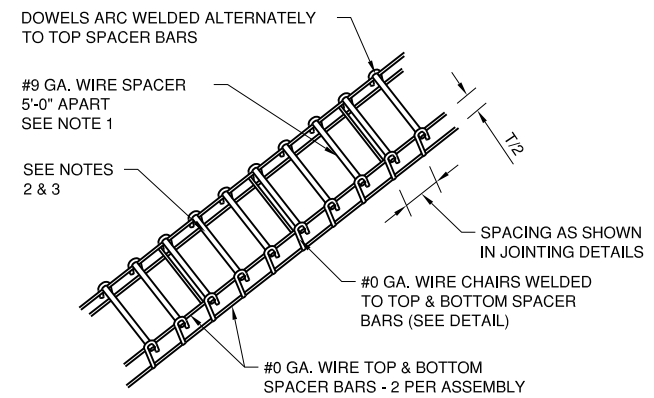


Ⓡ DENOTES ODD SHAPED REINFORCED PANELS TO BE REINFORCED WITH WELDED WIRE FABRIC AS SHOWN ON JOINTING DETAILS SHEET. ALL NON RECTANGULAR SHAPED PANELS SHALL BE REINFORCED. (REINFORCEMENT NOT SHOWN)

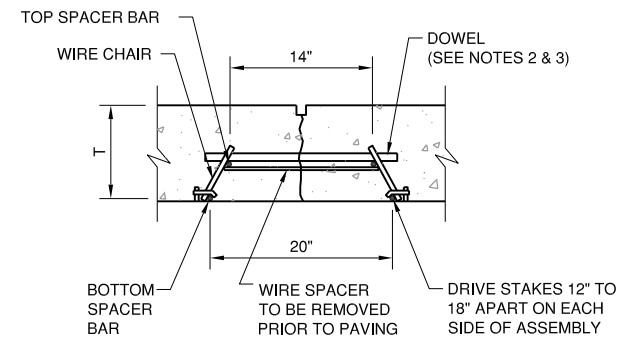


PAVEMENT PENETRATION DETAIL

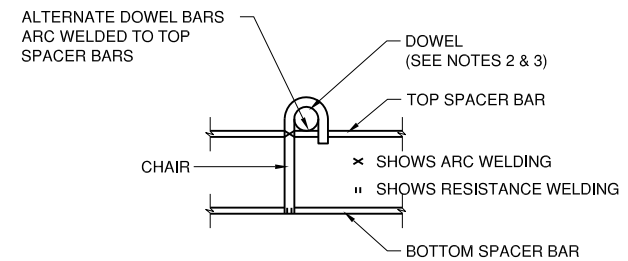
N.T.S.



DOWEL BASKET ASSEMBLY DETAIL



DOWEL BAR INSTALLATION DETAIL



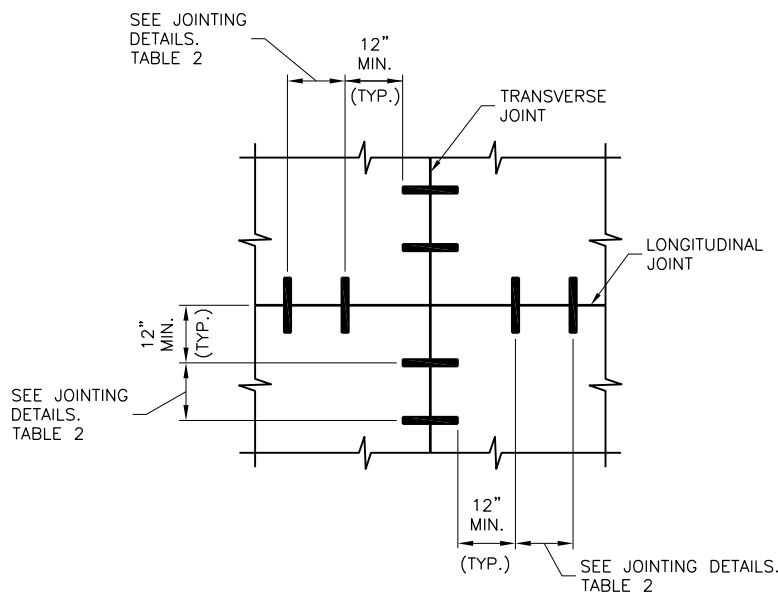
TYPICAL DOWEL BASKET ELEVATION DETAIL SHOWING CHAIR

DOWEL BASKET DETAILS

N.T.S.

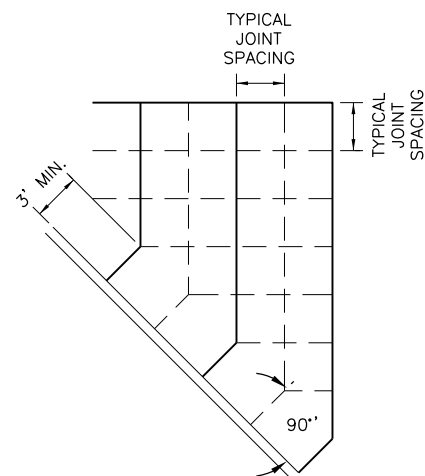
DOWEL BASKET NOTES

1. #9 GA. WIRE SPACER BAR ARC WELDED TO THE BOTTOM OF TOP SPACER BAR. (MAY BE MECHANICALLY ATTACHED IN LIEU OF WELDING) 3 REQUIRED PER UNIT. THIS WIRE MUST BE CUT OR REMOVED PRIOR TO PAVING.
2. DOWEL BAR DIAMETER, LENGTH & SPACING SHALL BE AS SHOWN IN TABLE 2.
3. DOWELS SHALL BE EPOXY COATED FULL LENGTH OF DOWEL. IMMEDIATELY PRIOR TO PAVING, THE FREE END OF EACH DOWEL SHALL BE LUBRICATED OR OILED, FOR HALF THE LENGTH OF THE DOWEL.



DOWEL PLACEMENT DETAIL

N.T.S.



JOINTING AT SKEWED EDGE

N.T.S.

JUNE 22, 2016

REHABILITATE PERIMETER ACCESS ROADS - PHASE 1

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX

IL PROJ. NO: SPI-4440

CMT PROJECT NO: 14035-07-00

CAD DWG FILE: SPI4440-1403507-GC502.DWG

DESIGNED BY: JMW

DRAWN BY: DPA

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APPROVED BY: RLV

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SHEET TITLE

PUBLIC SAFETY ROAD PAVING DETAILS

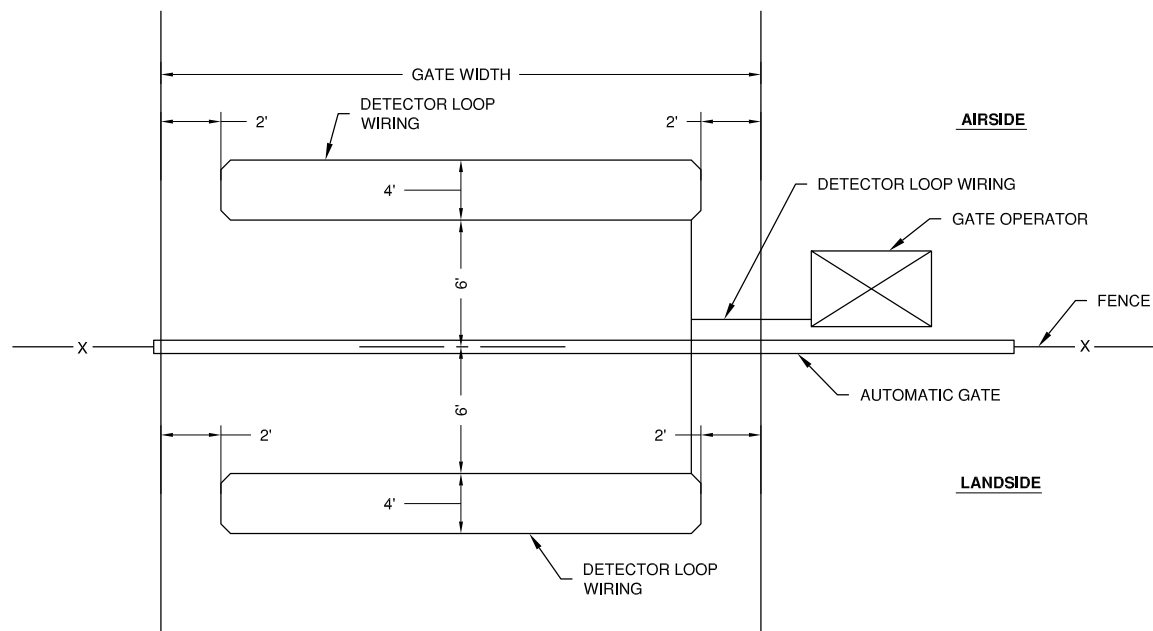


MARK	DATE	DESCRIPTION

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IL PROJ. NO:	SPI-4440
CMT PROJECT NO:	14035-07-00
CAD DWG FILE:	SP1440-1403507-GC503.DWG
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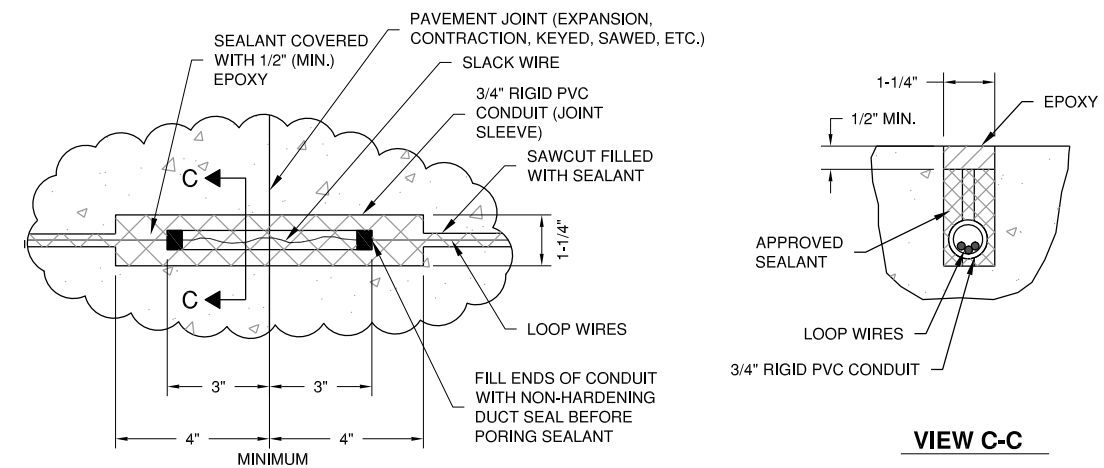
SHEET TITLE

**DETECTOR LOOP
DETAILS**

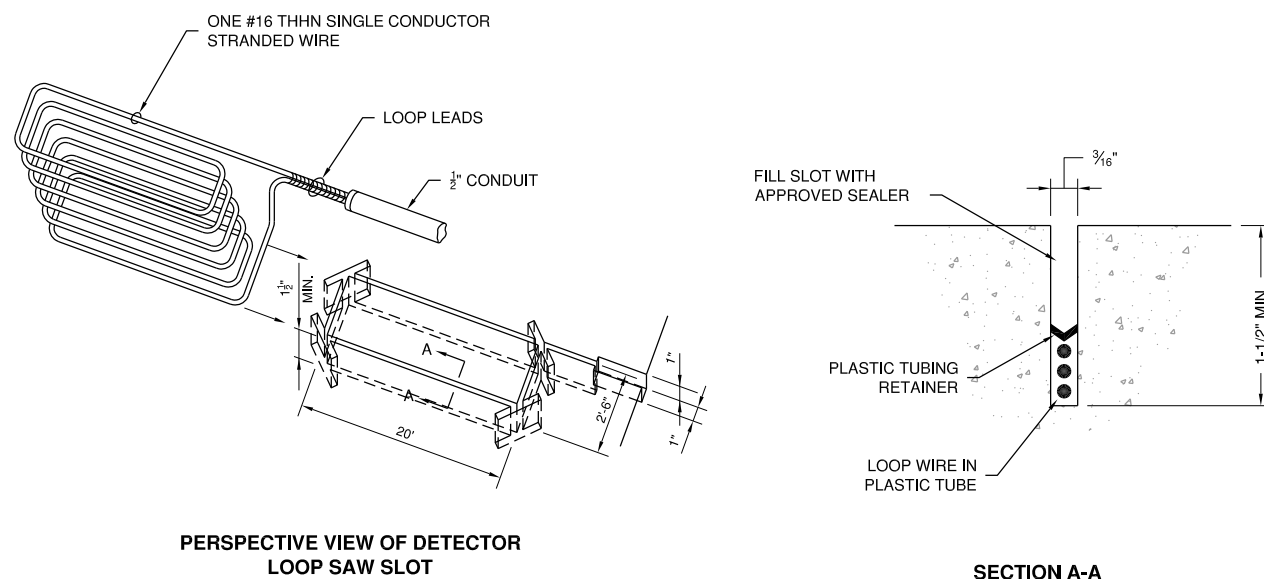


TYP. GATE PLAN
N.T.S.

NOTE:
LOCATIONS, DETAILS AND CHARACTER OF EQUIPMENT SHOWN ON
THIS SHEET ARE GENERIC. EQUIPMENT LOCATION SHALL BE AS
RECOMMENDED BY THE EQUIPMENT MANUFACTURER.



JOINT CROSSING DETAIL
N.T.S.



DETECTOR LOOP DETAILS
N.T.S.

NOTES

1. LOOP LEADS ARE LIMITED TO 100 FEET.
2. LOOP LEADS MUST HAVE FOUR (4) TWISTS PER FOOT.
3. LOOP AND LOOP LEADS MUST BE LOCATED, AT LEAST, 18" FROM ANY ELECTRICAL POWER SERVICE OR STEEL REINFORCEMENT.
4. LOOP LEADS MUST BE IN SEPARATE CONDUIT BETWEEN LOOP AND DETECTOR. THEY MUST NOT SHARE CONDUIT WITH OTHER WIRING OR LEADS FROM OTHER LOOPS.
5. WIRE SHALL BE #16 THHN SINGLE CONDUCTOR STRANDED WIRE.
6. ALL WIRE SHALL BE CONTINUOUS WITHOUT SPLICING.

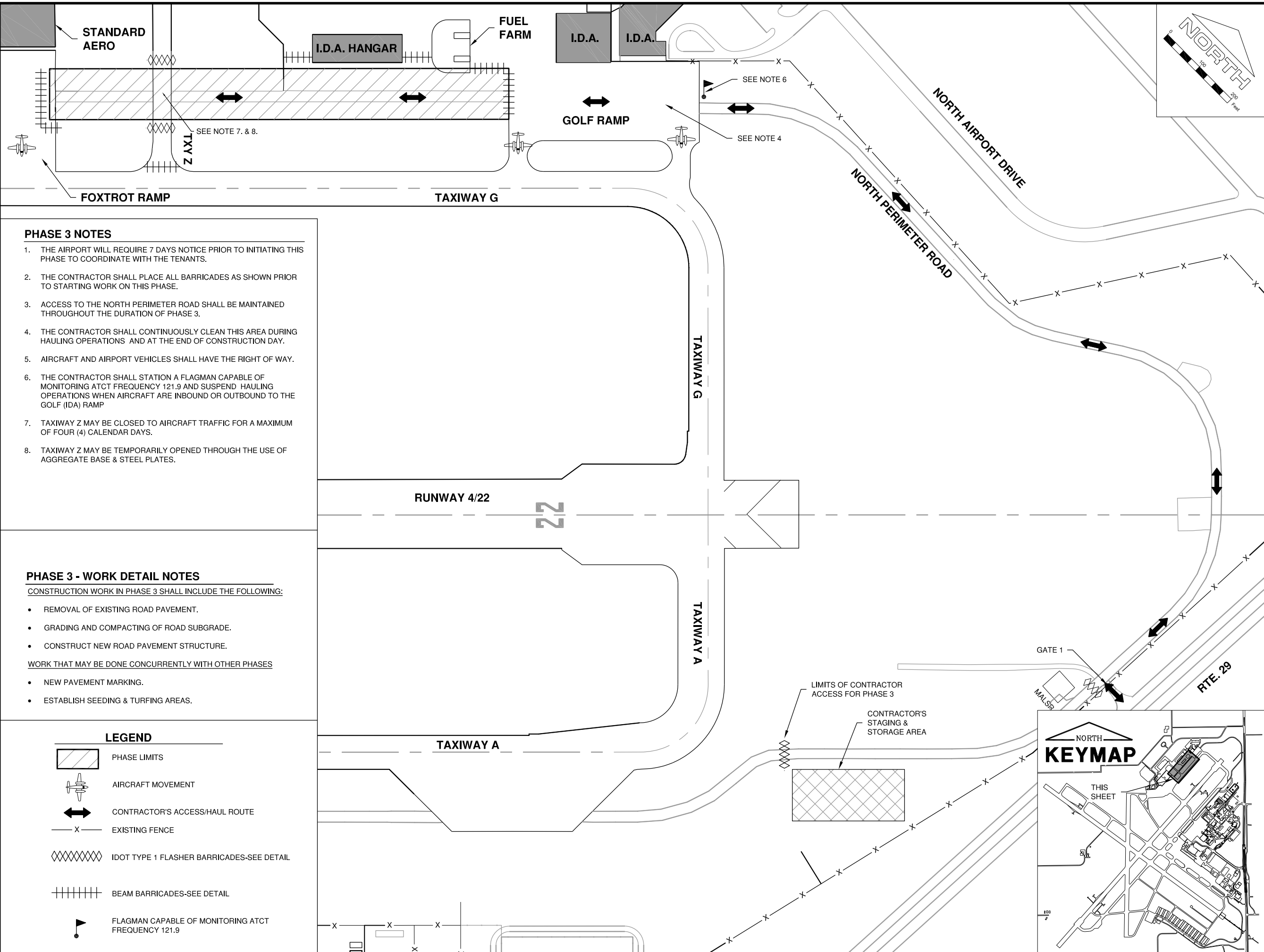
CAUTION:

- DO NOT SPLICE WIRE.
- DO NOT FRACTURE WIRE INSULATION. LOOPS SHORTED TO GROUND WILL CAUSE DETECTOR MALFUNCTION. WHEN PLACING WIRE IN THE SLOT, DO NOT USE SCREWDRIVER OR OTHER SHARP TOOLS.

TYPICAL LAYOUT FOR LOOP:

- SAW SLOT 3/16" WIDE x 1-1/2" DEEP. MAKE RECTANGULAR SHAPE TO SPECIFIED LOOP DIMENSIONS PLUS SLOT FOR LEAD CONDUIT.
- GROUT WITH NO. 202 WEATHERBAN SEALANT (A PRODUCT OF 3M CO.) OR APPROVED EQUIVALENT ... (EXAMPLE: DE WITTS NO. 99 BLACK MASTIC CAULK).

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Date: Thursday, June 30, 2016 3:18:20 PM



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CA018

JUNE 22, 2016

REHABILITATE PERIMETER ACCESS ROADS - PHASE 1

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

PHASE 3 NOTES

- THE AIRPORT WILL REQUIRE 7 DAYS NOTICE PRIOR TO INITIATING THIS PHASE TO COORDINATE WITH THE TENANTS.
- THE CONTRACTOR SHALL PLACE ALL BARRICADES AS SHOWN PRIOR TO STARTING WORK ON THIS PHASE.
- ACCESS TO THE NORTH PERIMETER ROAD SHALL BE MAINTAINED THROUGHOUT THE DURATION OF PHASE 3.
- THE CONTRACTOR SHALL CONTINUOUSLY CLEAN THIS AREA DURING HAULING OPERATIONS AND AT THE END OF CONSTRUCTION DAY.
- AIRCRAFT AND AIRPORT VEHICLES SHALL HAVE THE RIGHT OF WAY.
- THE CONTRACTOR SHALL STATION A FLAGMAN CAPABLE OF MONITORING ATCT FREQUENCY 121.9 AND SUSPEND HAULING OPERATIONS WHEN AIRCRAFT ARE INBOUND OR OUTBOUND TO THE GOLF (IDA) RAMP
- TAXIWAY Z MAY BE CLOSED TO AIRCRAFT TRAFFIC FOR A MAXIMUM OF FOUR (4) CALENDAR DAYS.
- TAXIWAY Z MAY BE TEMPORARILY OPENED THROUGH THE USE OF AGGREGATE BASE & STEEL PLATES.

PHASE 3 - WORK DETAIL NOTES

CONSTRUCTION WORK IN PHASE 3 SHALL INCLUDE THE FOLLOWING:

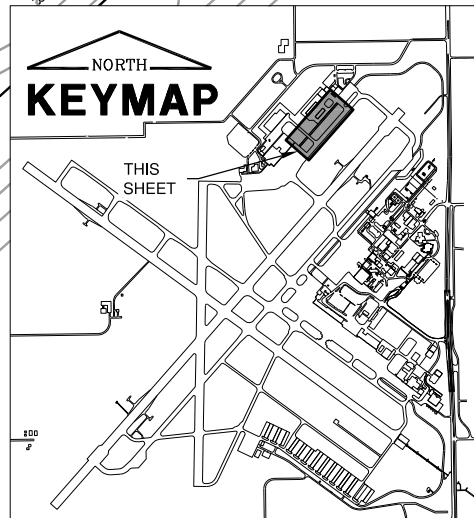
- REMOVAL OF EXISTING ROAD PAVEMENT.
- GRADING AND COMPACTING OF ROAD SUBGRADE.
- CONSTRUCT NEW ROAD PAVEMENT STRUCTURE.

WORK THAT MAY BE DONE CONCURRENTLY WITH OTHER PHASES

- NEW PAVEMENT MARKING.
- ESTABLISH SEEDING & TURFING AREAS.

LEGEND

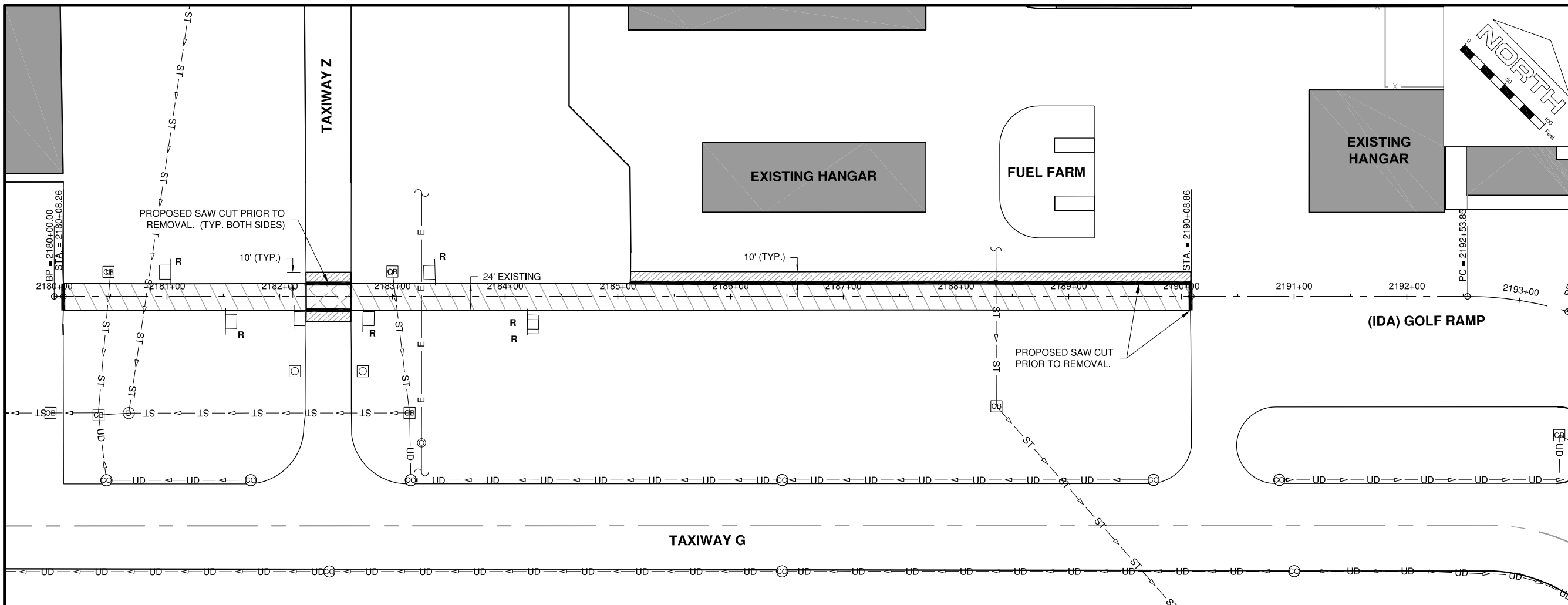
- PHASE LIMITS
- AIRCRAFT MOVEMENT
- CONTRACTOR'S ACCESS/HAUL ROUTE
- EXISTING FENCE
- IDOT TYPE 1 FLASHER BARRICADES-SEE DETAIL
- BEAM BARRICADES-SEE DETAIL
- FLAGMAN CAPABLE OF MONITORING ATCT FREQUENCY 121.9



MARK	DATE	DESCRIPTION

AIP PROJ. NO:	3-17-0096-XX
IL PROJ. NO:	SP1-4440
CMT PROJECT NO:	14035-07-00
CAD DWG FILE:	SP1440-1403507-GC103.DWG
DESIGNED BY:	JMW
DRAWN BY:	DPA
CHECKED BY:	RLV
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CONSTRUCTION ACTIVITY PLAN 3

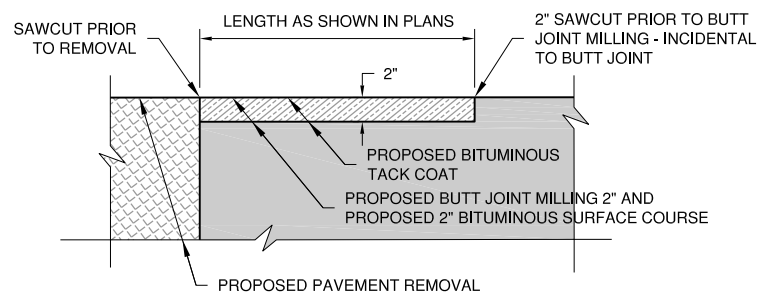


NOTES

1. REMOVED SIGNS SHALL BE TURNED OVER TO THE AIRPORT.

THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER, THE DIVISION, NOR THE PROJECT ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DETAILED INFORMATION AND ASSISTANCE IN LOCATING UTILITIES. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY, THE OWNER, AND THE RESIDENT ENGINEER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE OWNER AND THE ENGINEER.

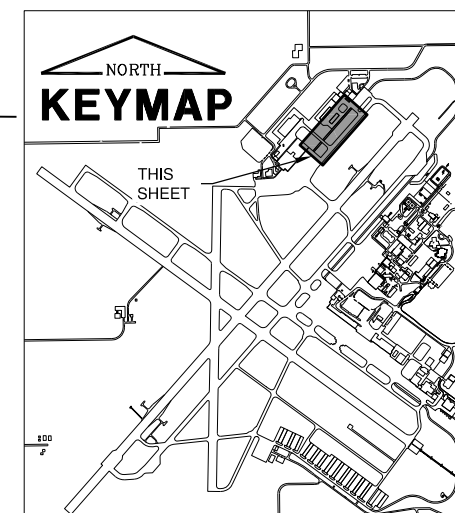


BUTT JOINT DETAIL

N.T.S.

LEGEND

- EXISTING BASE MOUNTED TAXIWAY LIGHT
- EXISTING CATCH BASIN
- EXISTING SIGN
- REMOVAL
- PROPOSED PAVEMENT REMOVAL - 4" HMA ON 6" AGGREGATE BASE
- PROPOSED BUTT JOINT MILLING
- PROPOSED PAVEMENT REMOVAL - 6.5" HMA ON AGGREGATE BASE
- PROPOSED SAWCUT PRIOR TO PAVEMENT REMOVAL



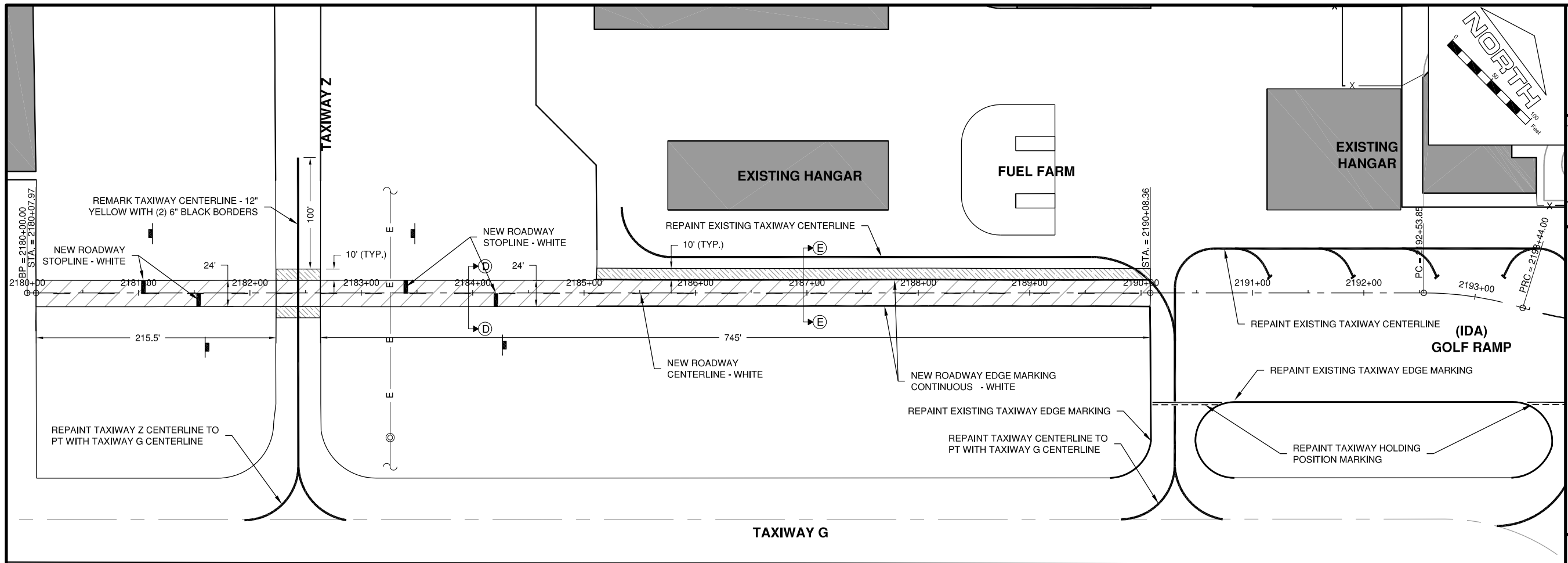


SPRINGFIELD AIRPORT
AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

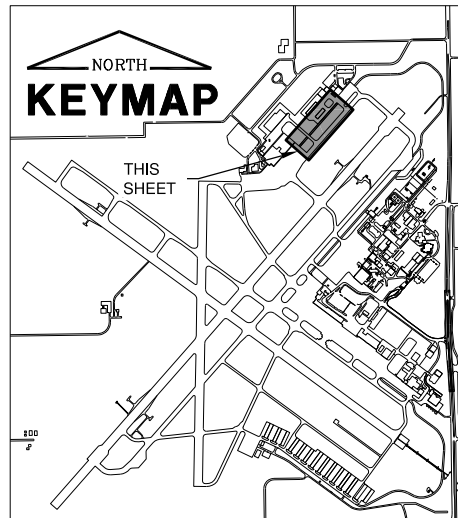
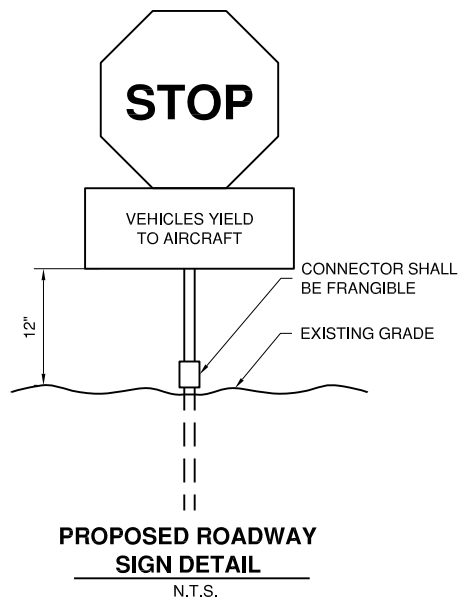
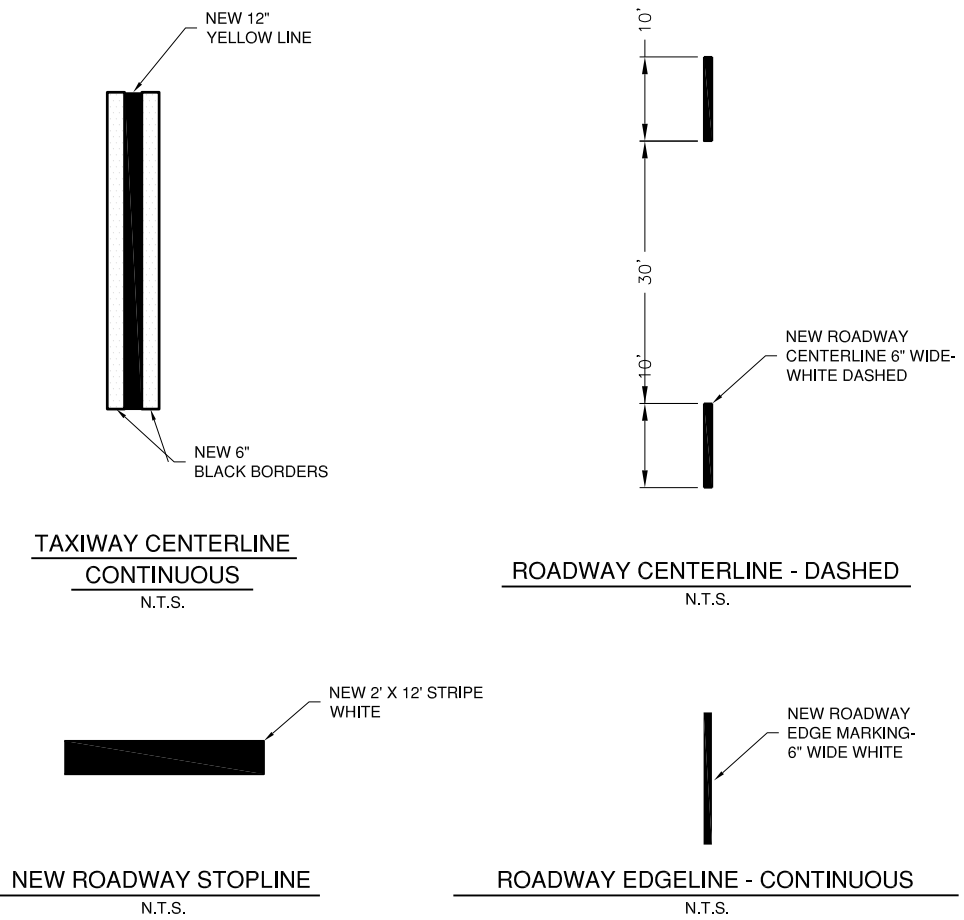
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SHEET TITLE
**TXY G PERIMETER
ROAD PROPOSED
IMPROVEMENTS**



LEGEND

- NEW PAVEMENT
NEW 2" BITUMINOUS SURFACE COURSE (401)
NEW 6" BITUMINOUS BASE COURSE (403)
NEW 13" CRUSHED AGGREGATE BASE COURSE (209)
NEW COMPACTED SUBGRADE (152)
- PROPOSED PAVEMENT MARKING
- PROPOSED ROADWAY SIGN
- PROPOSED BUTT JOINT



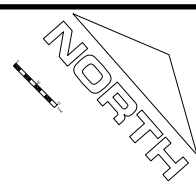
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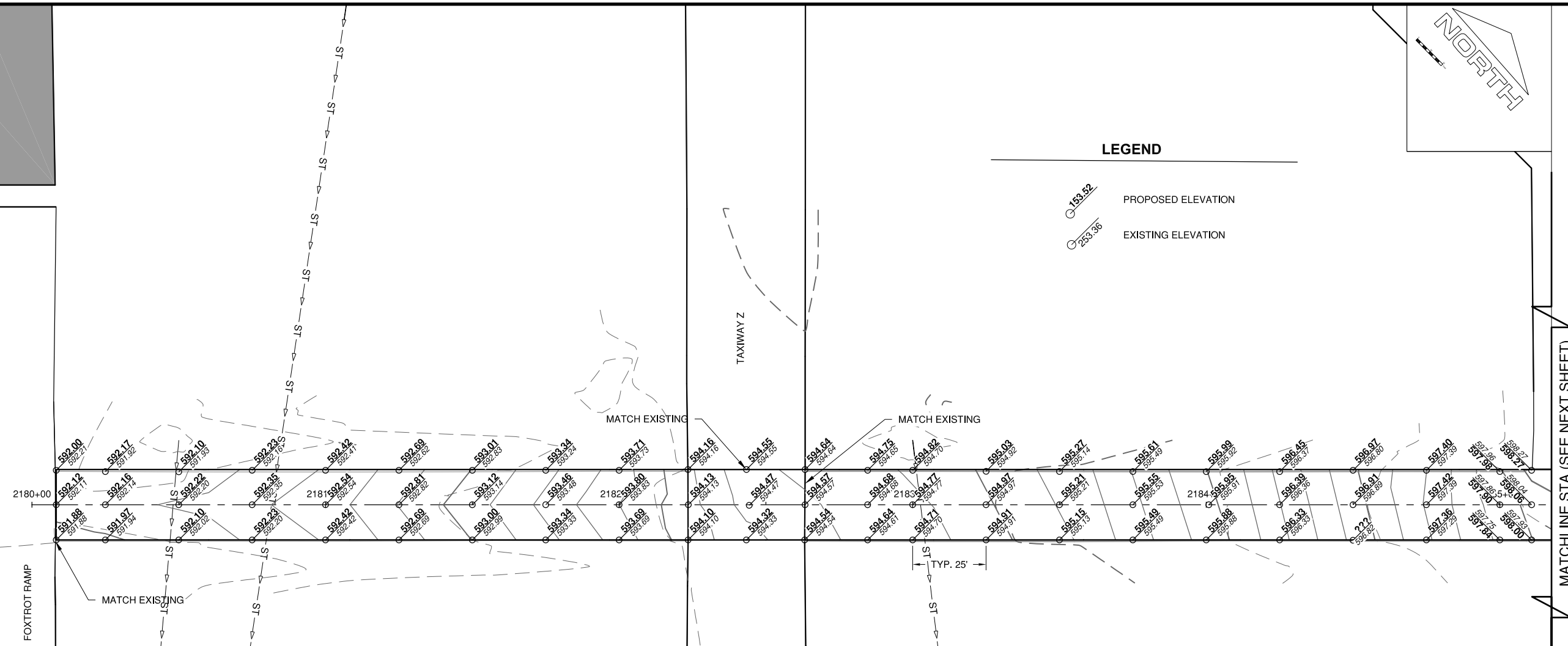
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SHEET TITLE
**TXY G PERIMETER
ROAD STAKING PLAN
1**

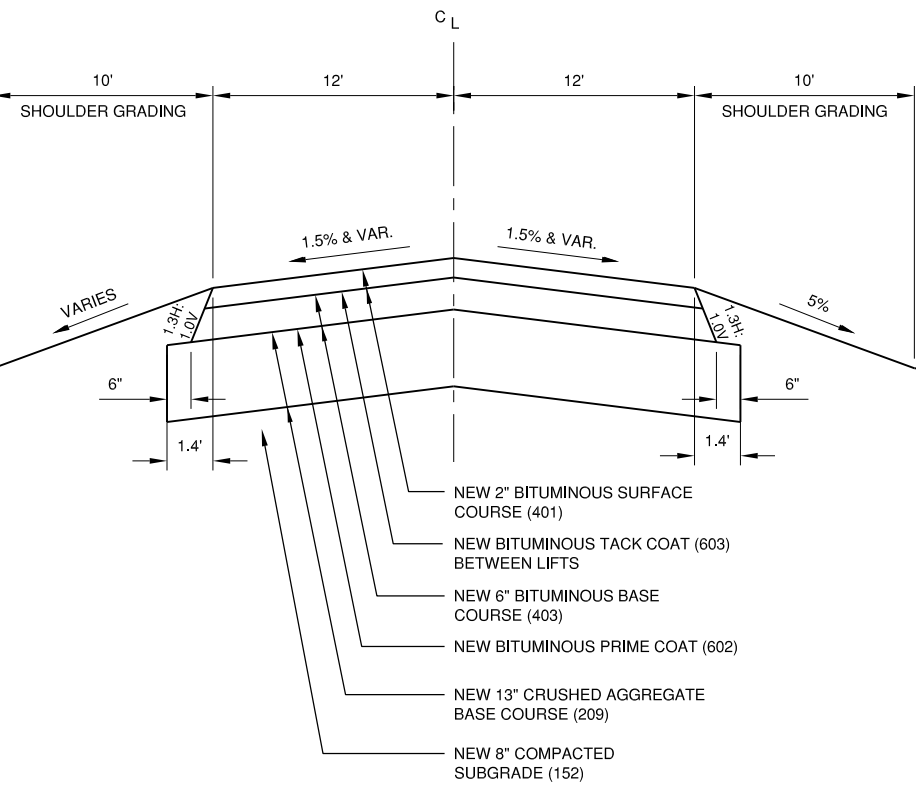


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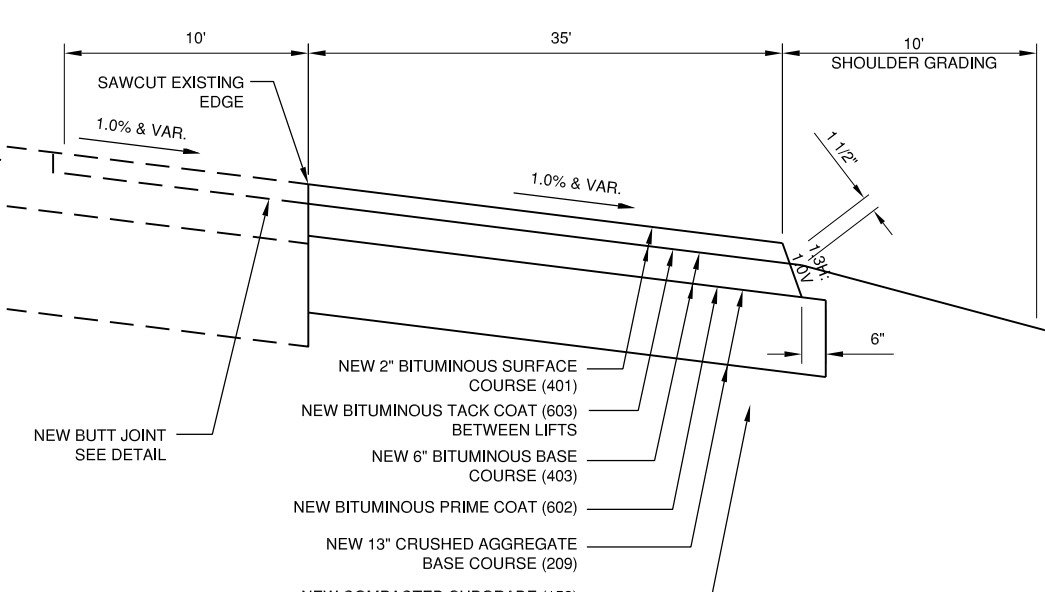
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- EXISTING ELEVATION



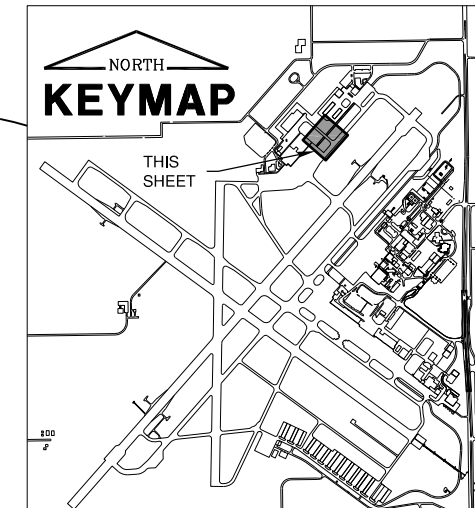
MATCHLINE STA (SEE NEXT SHEET)



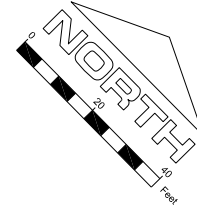
D NEW TAXIWAY G PERIMETER ROAD
N.T.S.



E NEW TAXIWAY G PERIMETER ROAD
N.T.S.



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REHABILITATE PERIMETER ACCESS ROADS - PHASE 1

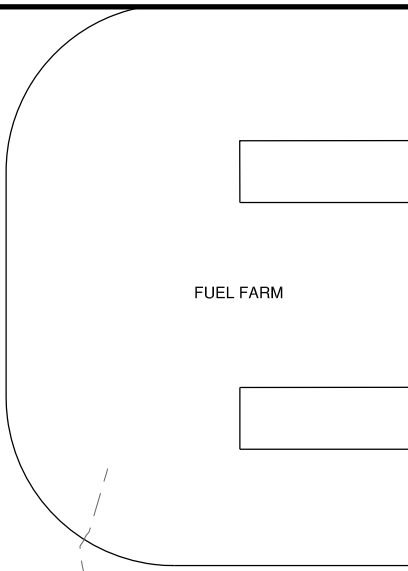
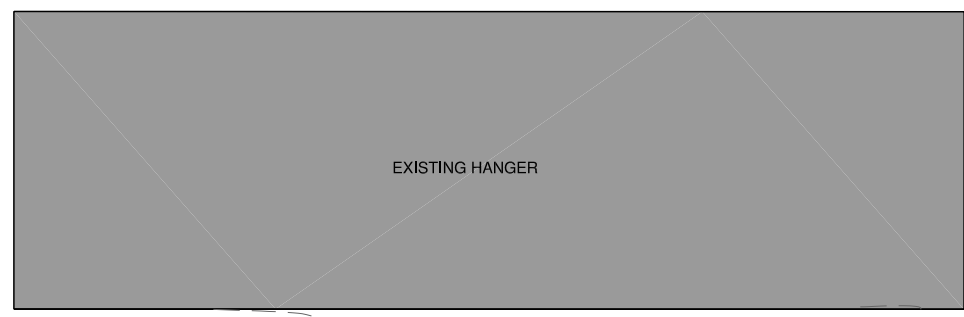
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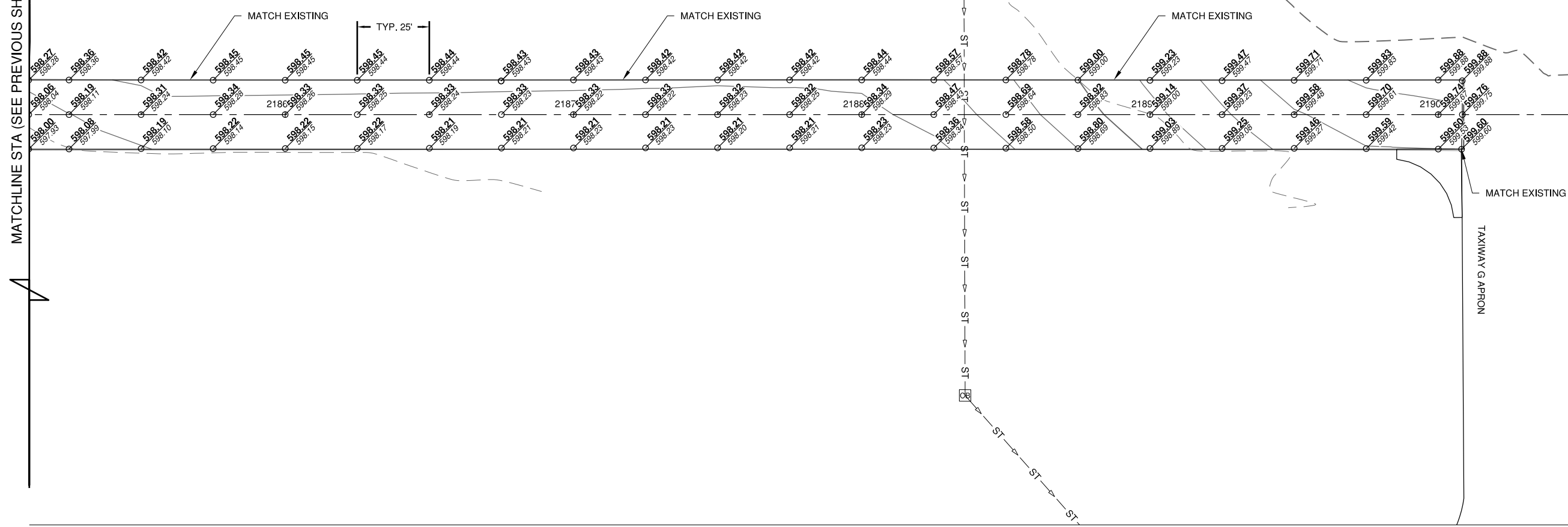
SPRINGFIELD AIRPORT
AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

SHEET TITLE
**TXY G PERIMETER
ROAD STAKING PLAN
2**

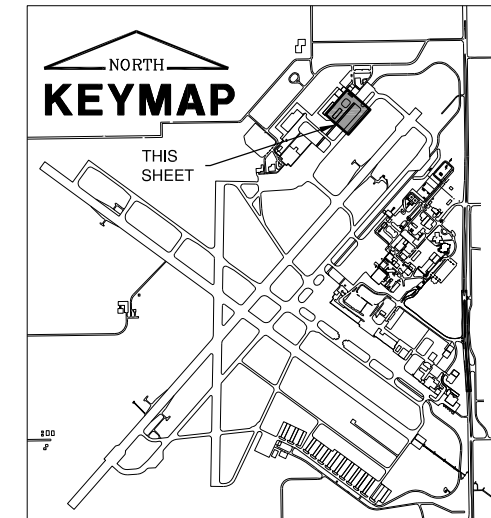


MATCHLINE STA (SEE PREVIOUS SHEET)



LEGEND

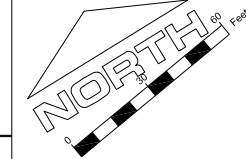
- PROPOSED ELEVATION
- EXISTING ELEVATION



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CORPORATE HANGAR

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JUNE 22, 2016

REHABILITATE PERIMETER ACCESS ROADS - PHASE 1

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

TAXIWAY B2

BRAVO RAMP

PROPOSED AIRFIELD GUIDANCE SIGN REMOVAL SEE NOTE 1

TAXIWAY B1

PROPOSED AIRFIELD GUIDANCE SIGN REMOVAL SEE NOTE 1

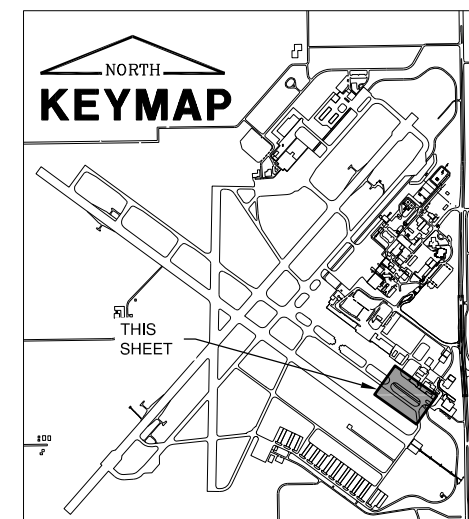
TAXIWAY B

NOTES:

1. DISCONNECT SIGNS FROM CIRCUIT AT EDGE LIGHT BASE & RE-ESTABLISH CIRCUIT.

LEGEND

- EXISTING BASE-MOUNTED TAXIWAY LIGHT
- EXISTING TRANSFORMER
- EXISTING ELECTRIC HANDHOLE
- EXISTING ELECTRIC VAULT
- EXISTING DUCT MARKER
- EXISTING TAXIWAY GUIDANCE SIGN
- EXISTING CATCH BASIN
- EXISTING SIGN
- PROPOSED REMOVAL
- PROPOSED PAVEMENT REMOVAL - 4" HMA ON 6" AGGREGATE BASE
- PROPOSED BUTT JOINT MILLING
- PROPOSED SAWCUT PRIOR TO PAVEMENT REMOVAL



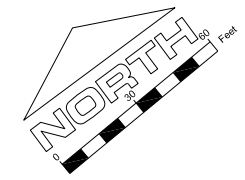
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SHEET TITLE
TXY B PERIMETER ROAD EXISTING CONDITIONS

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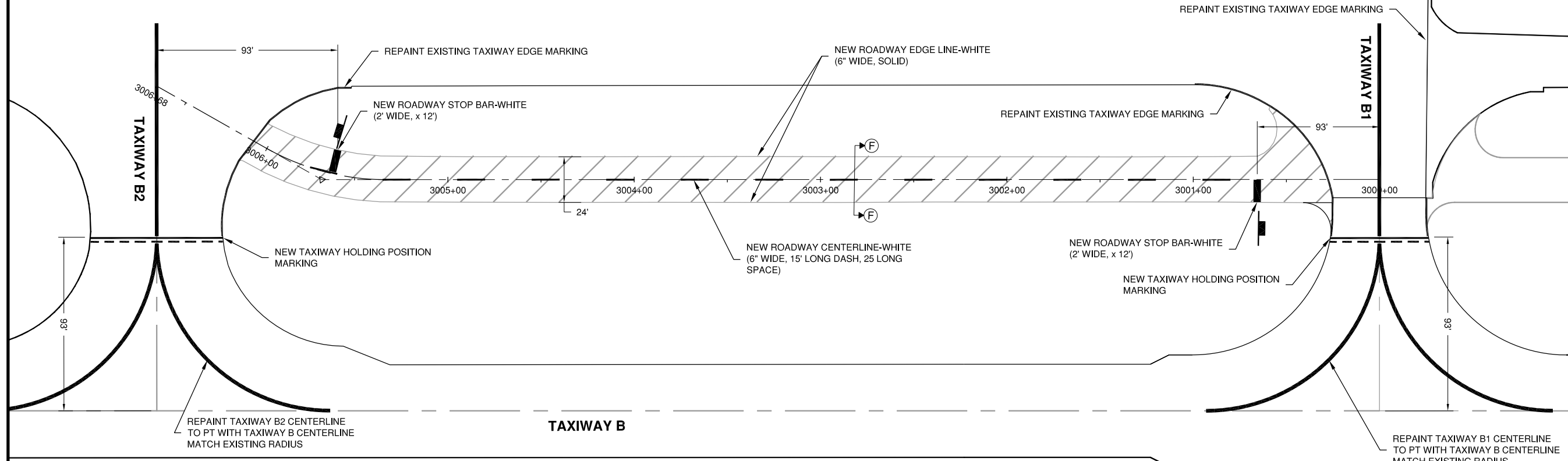
CONSULTANTS

CA018

PAVEMENT LEGEND

-  NEW TAXIWAY B PERIMETER ROAD PAVEMENT
NEW 2" BITUMINOUS SURFACE COURSE (401)
NEW 6" BITUMINOUS BASE COURSE (403)
NEW 13" CRUSHED AGGREGATE BASE COURSE (209)
NEW COMPACTED SUBGRADE (152)
-  PROPOSED ROADWAY SIGN
-  PROPOSED PAVEMENT MARKING

BRAVO RAMP



JUNE 22, 2016

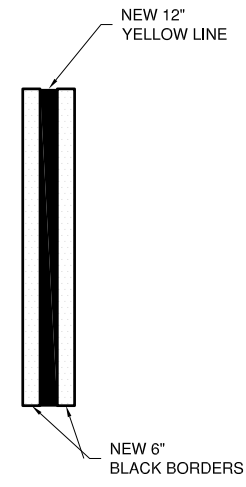
REHABILITATE PERIMETER ACCESS ROADS - PHASE 1

OWNER

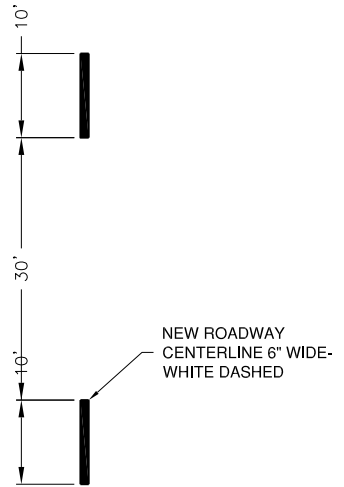


SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

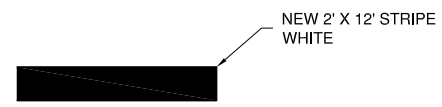
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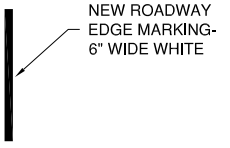
TAXIWAY CENTERLINE CONTINUOUS
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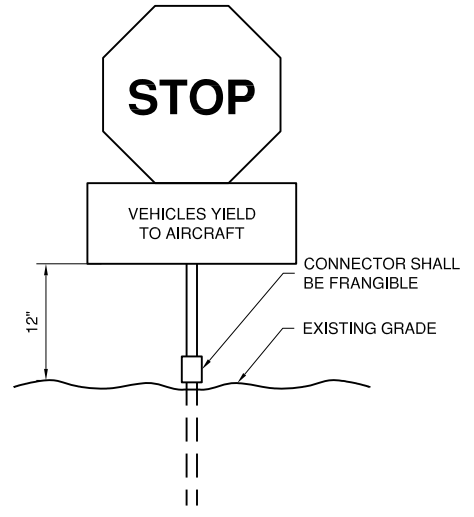
ROADWAY CENTERLINE - DASHED
N.T.S.



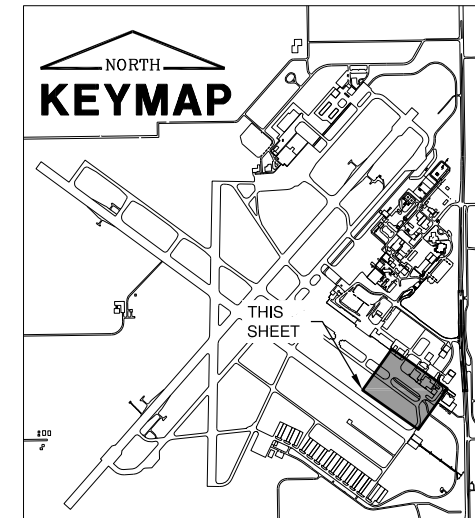
NEW ROADWAY STOPLINE
N.T.S.



ROADWAY EDGELINE - CONTINUOUS
N.T.S.



PROPOSED ROADWAY SIGN DETAIL
N.T.S.

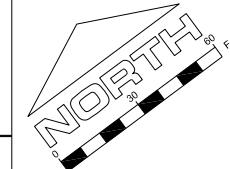


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SHEET TITLE
TXY B PERIMETER ROAD PROPOSED IMPROVEMENTS

CORPORATE HANGAR

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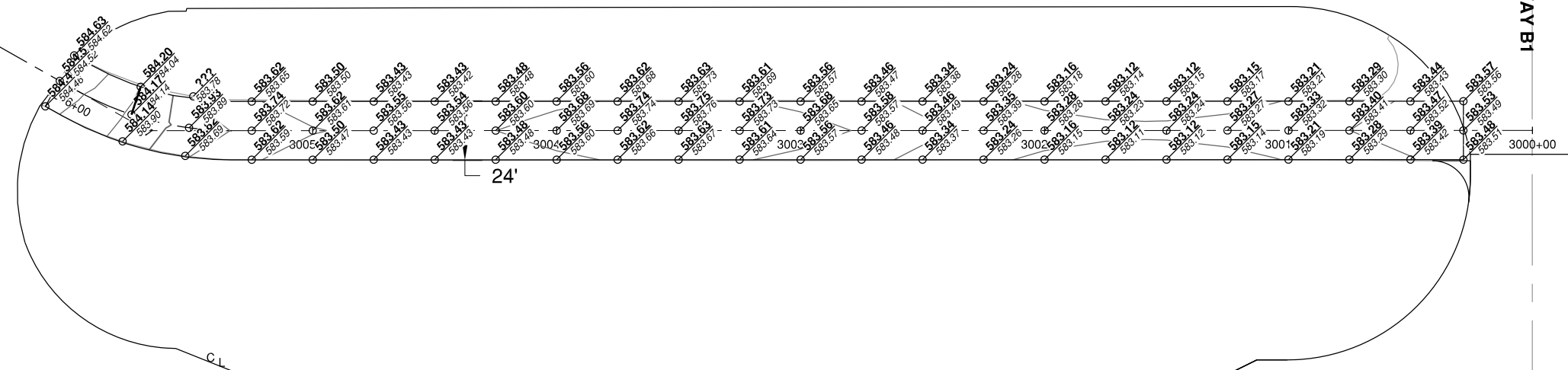
CONSULTANTS

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BRAVO RAMP

TAXIWAY B2

TAXIWAY B1



JUNE 22, 2016

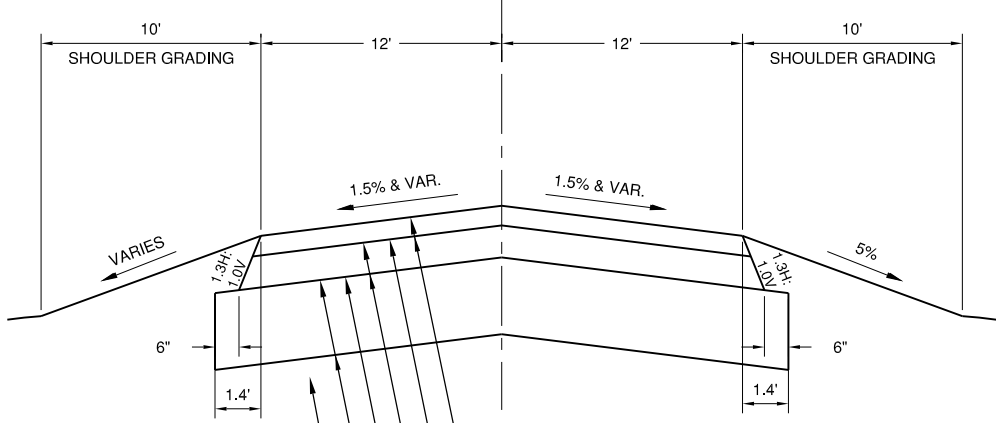
REHABILITATE PERIMETER ACCESS ROADS - PHASE 1

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

TAXIWAY B

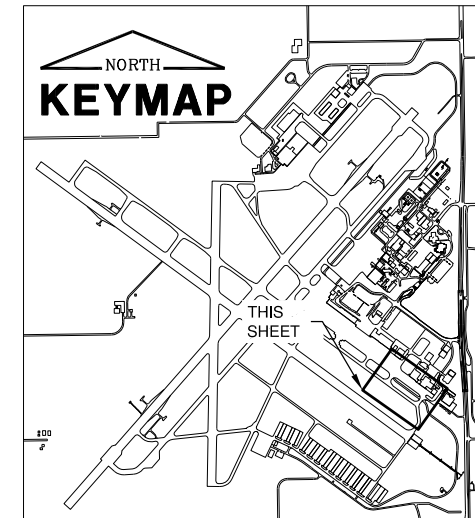


- NEW 2" BITUMINOUS SURFACE COURSE (401)
- NEW BITUMINOUS TACK COAT (603)
- NEW 6" BITUMINOUS BASE COURSE (403)
- NEW BITUMINOUS PRIME COAT (602)
- NEW 13" CRUSHED AGGREGATE BASE COURSE (209)
- NEW 8" COMPACTED SUBGRADE (152)

F NEW TAXIWAY B PERIMETER ROAD F
N.T.S.

LEGEND

- 153.52 PROPOSED ELEVATION
- 253.36 EXISTING ELEVATION

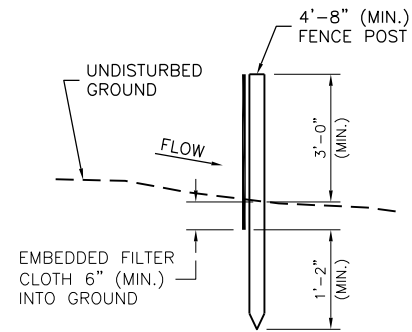


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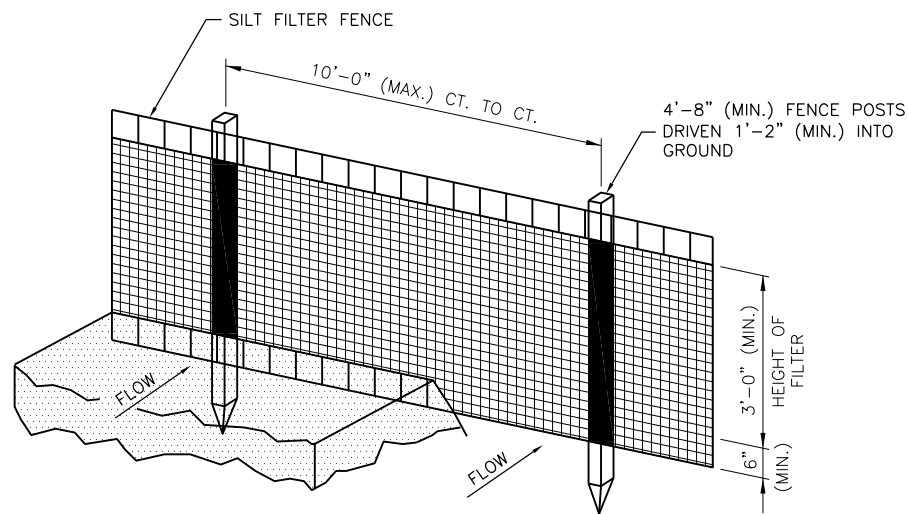
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DESIGNED BY:	JMW
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CHECKED BY:	RLV
APPROVED BY:	RLV
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SHEET TITLE
TXY B PERIMETER ROAD STAKING PLAN

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SECTION



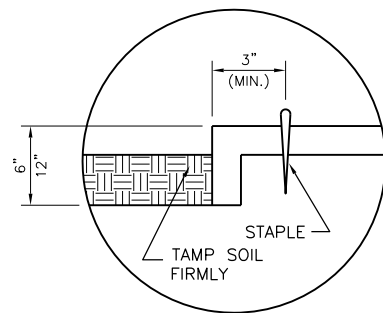
PERSPECTIVE VIEW

EROSION CONTROL FABRIC FENCE DETAILS

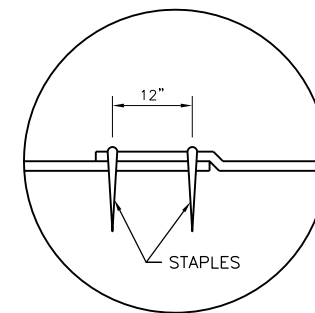
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EROSION CONTROL FABRIC FENCE NOTES

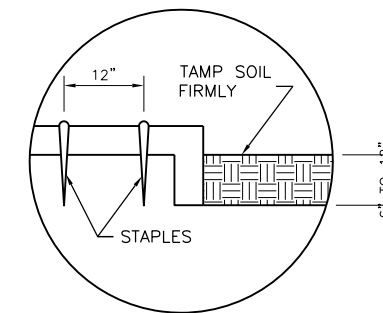
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 2'-0" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" MINIMUM AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE. MAINTENANCE, WHICH INCLUDES THE REPLACEMENT OF DAMAGED FENCE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE EROSION CONTROL FENCE.



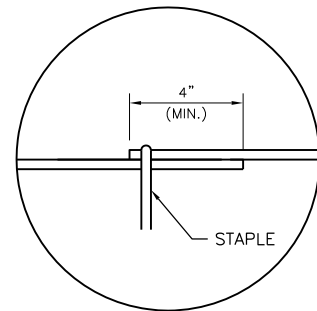
DETAIL 1 - TERMINAL FOLD



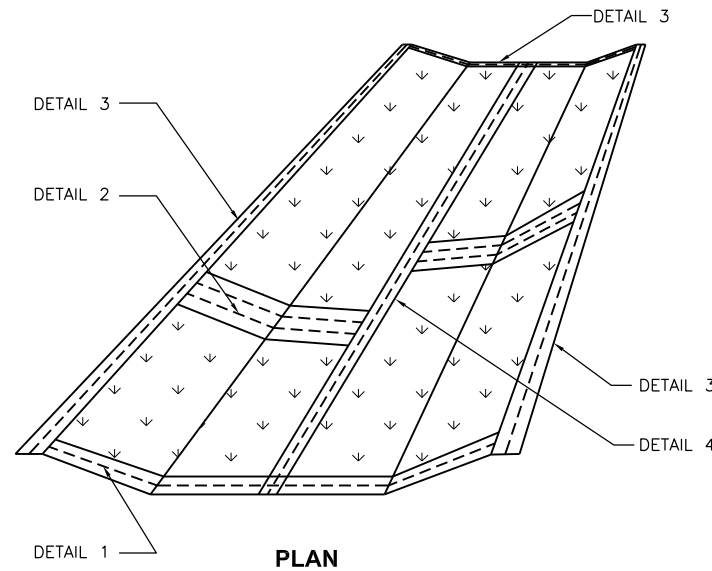
DETAIL 2 - JUNCTION SLOT



DETAIL 3 - ANCHOR SLOT



DETAIL 4 - LAP JOINT



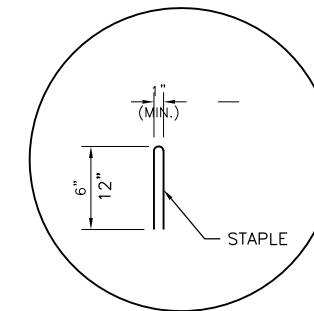
PLAN

EXCELSIOR BLANKET DETAILS

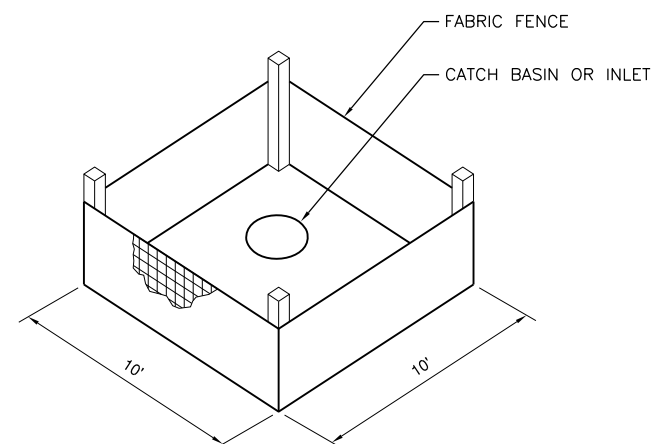
N.T.S.

EXCELSIOR BLANKET NOTES

1. STAPLES TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART.
2. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
3. ALL TERMINALS ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

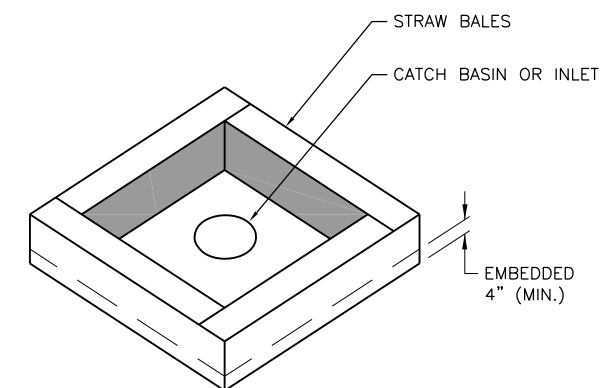


DETAIL 5 - STAPLE DETAIL



INLET PROTECTION WITH FABRIC

N.T.S.



INLET PROTECTION WITH STRAW BALES

N.T.S.

JUNE 22, 2016

REHABILITATE PERIMETER
ACCESS ROADS - PHASE 1

OWNER



SPRINGFIELD AIRPORT
AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX

IL PROJ. NO: SPI-4440

CMT PROJECT NO: 14035-07-00

CAD DWG FILE: SPI4440-1403507-GD504.DWG

DESIGNED BY: JMW

DRAWN BY: DPA

CHECKED BY: RLV

APPROVED BY: RLV

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SHEET TITLE

**EROSION CONTROL
DETAILS**